



The National Organization For Business
and Engineering – Illinois Chapter

PROJECT REPORT

SPRING 2026



Report Overview

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Our Mission Statement

NOBE Illinois bridges the gap between **business and engineering** by building solutions for our partners through **real work** with **real impact**.

Consulting

Develop strategic **insights** by conducting **market research**, **competitive analysis**, and growth **strategy planning**.

Technology

Build and ship **real software** with fast-moving startups, **solve client-focused problems** with creativity and clarity, **adapt** quickly to **new tools** and rapidly evolving **technologies**, and **collaborate** with a team-first mindset to build better solutions.

Product Development

Ideate, design, fabricate, and **pitch** products from scratch with interdisciplinary business and engineering exposure.

Through our selection process, comprehensive training, and diverse experiences, our members are able to **ideate and execute effective technical solutions** for our clients.

2. Consulting Committee Projects

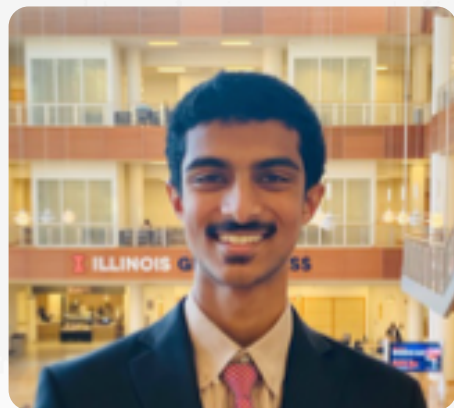


Consulting Director
Ojasvi Bapat
Accounting + Finance

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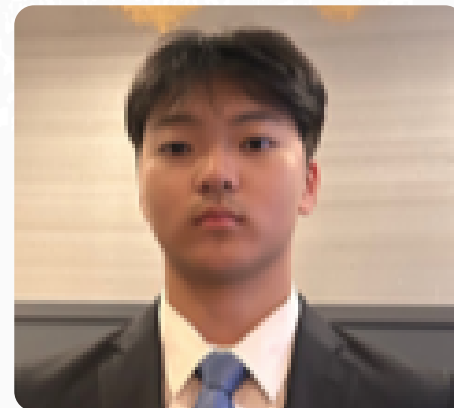
THE TEAM



Keshav Sagi
Project Manager



Trisha Patel
Senior Consultant



Jayden Yon
Senior Consultant



Diana Barrientos
Consultant



Daniel Brambarov
Consultant



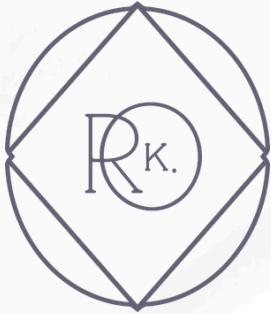
Vratl Sharma
Consultant

CLIENT OVERVIEW

LAYYR is an up and coming startup in the safety fashion tech space. They are currently in the prototype phase of building their flagship product, a bullet and stab resistance jacket built specifically for women. LAYYR aims to fill a gap in the market for safetyware that is as stylish and fashion-forward as it is protective.

PROBLEM STATEMENT

How can LAYYR create a premium yet affordable product and use innovative marketing strategies in order to achieve a successful product launch and make a name for themselves within a competitive industry?



RKO CONSULTING

THE TEAM



Neiman Baquer
Project Manager



Daniel Minkov
Senior Consultant



Yash Yardi
Senior Consultant



April Toyofuku
Consultant



Solange Battamir
Consultant

CLIENT OVERVIEW

RKO Consulting is a boutique consulting firm founded by Rachel Owen, a PhD soil scientist specializing in government affairs, science policy, and strategic planning. The firm serves nonprofits and government-adjacent organizations through a contractor-based team model, generating revenue primarily through retainer and fee-for-service contracts.

PROBLEM STATEMENT

How can RKO Consulting restructure its cost and revenue model to close a projected net loss of \$43K, reduce its reliance on billable hours, and build a more financially stable and scalable business without overextending its founder or existing team?

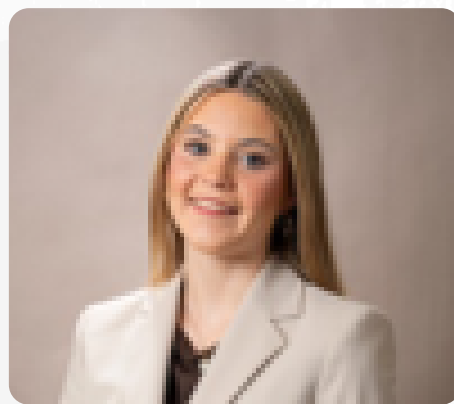
S&T IMPACT



THE TEAM



Nethrashri Ramesh
Project Manager



Jalyn Kiefer
Senior Consultant



Fizza Alam
Consultant



Alisha Agrawal
Consultant



Basil George
Consultant



Byungyoon You
Consultant

CLIENT OVERVIEW

S&T Impact Advisory Group is a national 501(c)(3) nonprofit founded in 2024 by Hallie Thompson and Rachel K. Owen to strengthen state science and technology policy fellowship programs. Rather than funding fellows directly, it supports program coordinators through fundraising, grant management, logistics, and cross-state collaboration, helping programs access national funding and shared resources.

PROBLEM STATEMENT

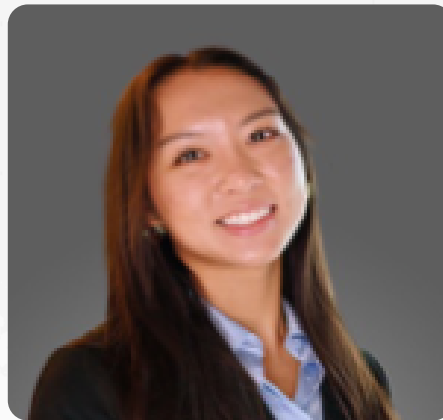
How can S&T Impact build a diversified funding model that incorporates a new anchor partner revenue stream, with clear next steps and partner-facing materials, to reach their Year 1 budget of \$160,000–\$180,000 and scale toward \$400,000 by Year 3?



MAHOMET CHAMBER OF COMMERCE



THE TEAM



Chloe Chen
Project Manager



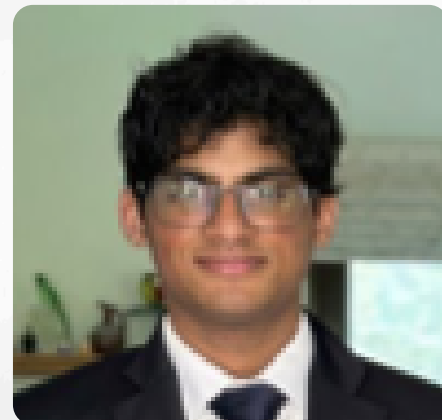
Safal Nalawade
Senior Consultant



Tyler Barrett
Senior Consultant



Sonia Patel
Consultant



**Abhinav
Parameswaran**
Consultant

CLIENT OVERVIEW

Mahomet Chamber of Commerce is a nonprofit organization that aims to foster economic and community development in Mahomet, IL. They help businesses gain visibility and traction, act as a directory, and host events for businesses to network and gain insight. The Chamber also plans community-based events such as festivals and showcases.

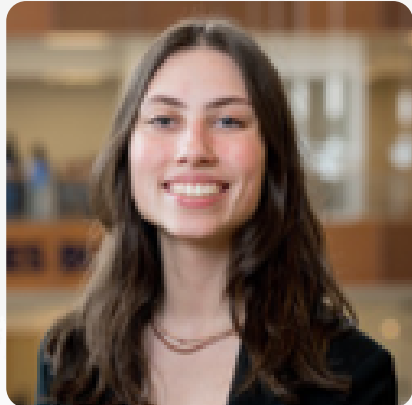
PROBLEM STATEMENT

How can Mahomet Chamber of Commerce strengthen their digital presence to engage with the community, enhance the relevance and utility of their services to help businesses grow, and structure internal engagement to promote long-term loyalty?

GOOD JUDY'S ESPRESSO & BAGEL BAR



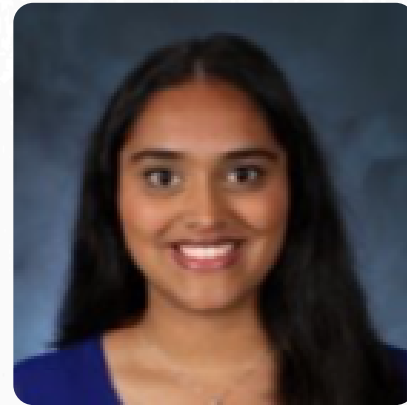
THE TEAM



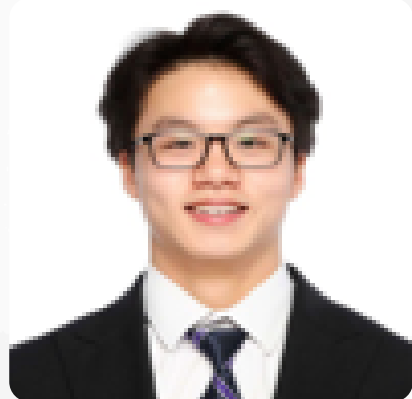
Ana Utvic
Project Manager



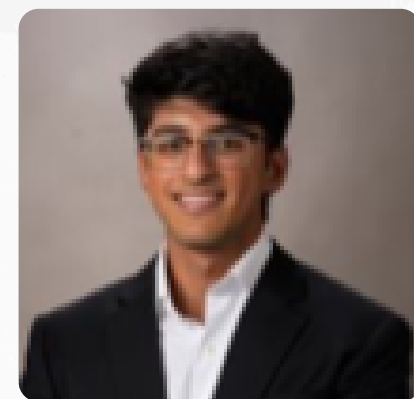
Miheer Purandare
Project Manager



Anusha Namburu
Senior Consultant



Nathan He
Consultant



Taran Laungani
Consultant



**Sinchana
Goundalkar**
Consultant

CLIENT OVERVIEW

Good Judys is an espresso and bagel bar, which started their operations at the Urbana Market at the Square and opened their first brick and mortar location in Urbana last year. They sell a variety of goods, including many different bagel flavors, bagel sandwiches, coffee, and tea. They offer a supportive and friendly atmosphere for the locals of the Urbana-Champaign area.

PROBLEM STATEMENT

Would expanding into a food trailer be a profitable investment for Good Judys at this time, and how would they go about doing so, taking into consideration competitors, customer interest, brand awareness, and legal components?

CENTRAL ILLINOIS TECH PARTNERS



THE TEAM



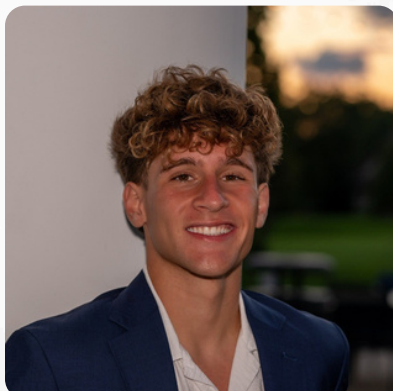
Samuel Kang
Project Manager



Ruhi Kamdar
Project Manager



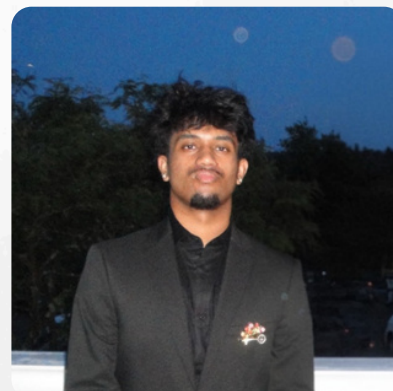
Alex Boukalis
Senior Consultant



John Boudeman
Consultant



Sarayu Parsi
Consultant



Chai Koganti
Consultant

CLIENT OVERVIEW

Central Illinois Tech Partners (CITP) is a company founded by Lothar Soliwon that aims to serve as a platform for a network of experts across numerous tech specialties across the Midwest that companies across the country can seek guidance and help from. CITP focuses on creating a Midwestern hub of technological innovation by bringing tech experts across regional cities together.

PROBLEM STATEMENT

How can CITP increase its client network across the Midwestern region by enhancing their outreach campaign techniques to help create an initial, solid foundation of experts to their platform?

3. Technology Committee Projects



Technology Director
Viraj Ganguli
Computer Engineering



THE TEAM



Hannah George
Project Manager



Arjun Srivastava
Senior Consultant



Esha Himagirish
Consultant



Anish Swaminathan
Consultant



Ishani Pandey
Consultant



**Shahanaasree
Sivakumar**
Consultant



Sanjit Kumar
Consultant

CLIENT OVERVIEW

Akava is a Silicon Valley-based technology transformation consultancy specializing in cloud transformation, DevOps, and software engineering modernization. With over 110 projects delivered for clients like Uber, Disney, and Cisco, they help Fortune 1000 enterprises and high-growth startups build and scale digital products.

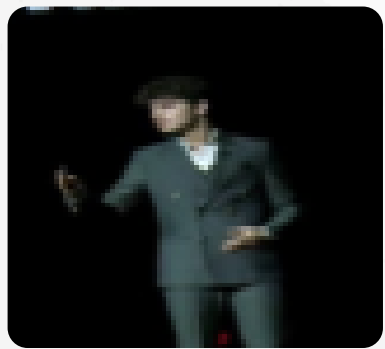
PROBLEM STATEMENT

How can Akava deliver a scalable, repeatable technical due diligence process that reduces assessment timelines while improving consistency across analysts and assessments?

CLINE FINANCIAL COMPONENTS



THE TEAM



Ronak Mathrani
Project Manager



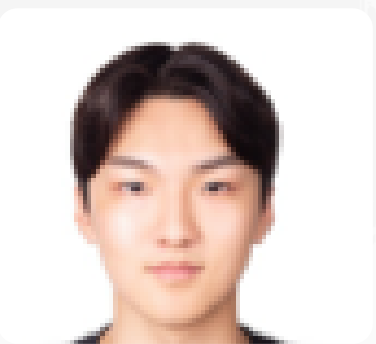
Aarsh Mittal
Senior Consultant



Carlo Panettone
Senior Consultant



Savani Shrikhande
Senior Consultant



Daniel Ryu
Consultant



Rohan Kohli
Consultant



Ronak Khatri
Consultant



Prasanna Patil
Consultant



Appala Raju Arisetty
Consultant

CLIENT OVERVIEW

Cline Financial is an Illinois-based registered investment advisory firm focused on personalized financial planning, asset allocation, and retirement planning. They take a fee-only approach, accepting no commissions or product sales, and prioritize tailored strategies built around each client's individual goals.

PROBLEM STATEMENT

How can Cline Financial Services replace slow, manual tax-optimization workflows with an automated engine that identifies tax-saving opportunities across large, diversified portfolios and generates execution-ready trade files at scale?

CAYDEN CAY CONSULTING



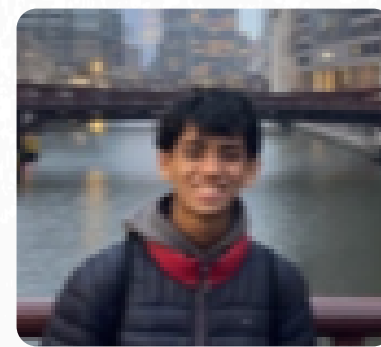
THE TEAM



Vibha Dara
Project Manager



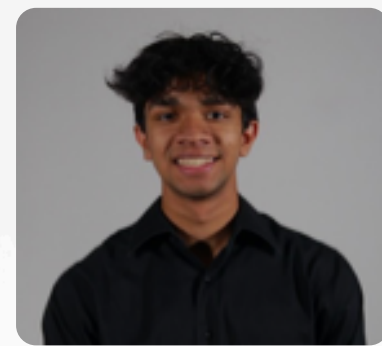
Chahak Gupta
Senior Consultant



Aryan Pradhan
Senior Consultant



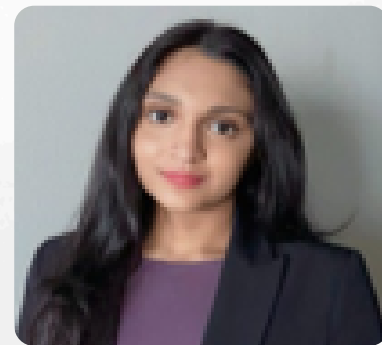
Eshita Kulai
Consultant



Kushal Trivedi
Consultant



Joshua George
Consultant



Vedika Patel
Consultant

CLIENT OVERVIEW

Cayden Cay Consulting is a boutique consulting and coaching firm dedicated to helping solopreneurs build scalable, sustainable businesses. They specialize in guiding independent professionals beyond the traditional time-for-money model, developing diversified revenue streams and long-term growth strategies tailored to each client's lifestyle and goals.

PROBLEM STATEMENT

How can Cayden Cay Consulting consolidate a fragmented, multi-platform setup into a single branded ecosystem that the client fully owns and controls while enabling reliable progress tracking and community engagement?



MERCH AI

THE TEAM



Varnika Jain
Project Manager



Jaden Nguyen
Consultant



Arnav Pillay
Consultant

CLIENT OVERVIEW

Merch.ai is an AI-powered platform built specifically for the promotional products industry, helping distributors and suppliers create fully branded product presentations, PDF lookbooks, and lifestyle imagery in a fraction of the time. Founded by industry veterans with over 50 years of combined experience, Merch.ai automates the most time-intensive parts of the sales process so teams can focus on closing deals rather than building decks.

PROBLEM STATEMENT

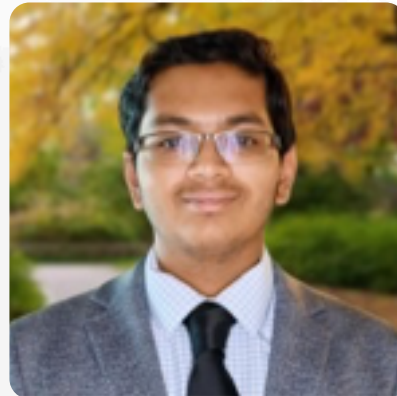
How can a digital marketing client measure and improve its brand visibility within AI answer engines and turn that capability into a repeatable, scalable service offering in a nascent market with no established incumbents?

NOBE DEVELOPMENT & OPERATIONS TEAM

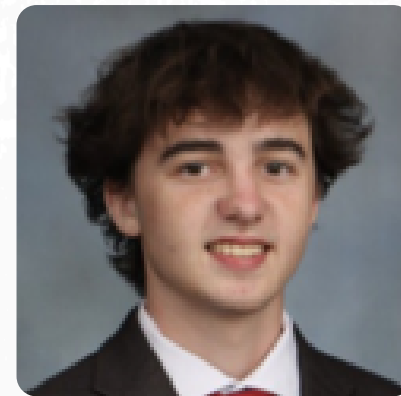
THE TEAM



Srikriti Mutyala
Project Manager



Tanush Kulkarni
Senior Consultant



Luke Zimmerman
Senior Consultant



Risha Bansal
Consultant



Vinay Nair
Consultant



Ayush Bajaj
Consultant

PROJECT OVERVIEW

NOBE DevOps developed the Attendance & Compliance Automation Platform, a full-stack web application that modernizes how NOBE Chapter Operations tracks and enforces member attendance. The platform replaces manual spreadsheet-based tracking with an automated points-and-strikes compliance system, featuring mobile QR-code check-ins, personalized member dashboards, an admin command center, and real-time executive reporting, giving leadership, members, and executives full visibility into attendance standing for the first time.

4. Product Development Committee Projects



Product Dev. Director
Vetri Jaganaath
Industrial Engineering

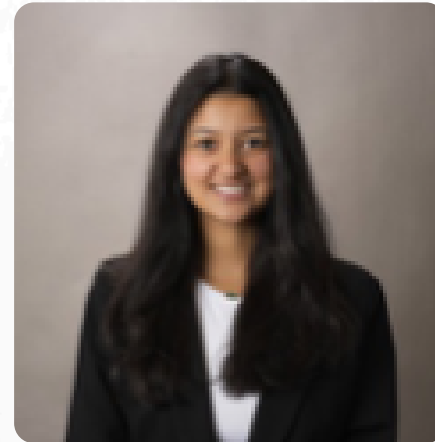


UNIGRIP

THE TEAM



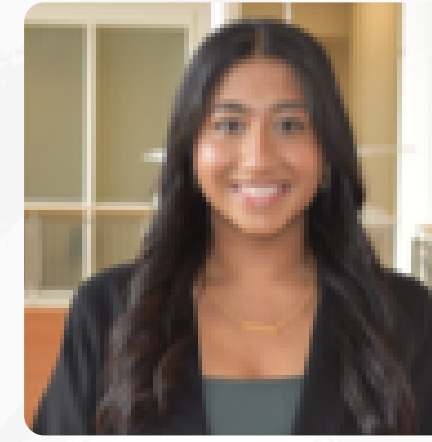
Aryan Patel
Product Manager



Tanisha Mathur
Product Manager



Ruudrakshi Ganguly
Senior Developer



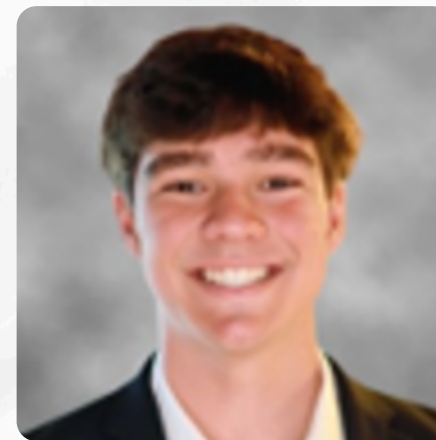
Samhita Subramanian
Senior Developer



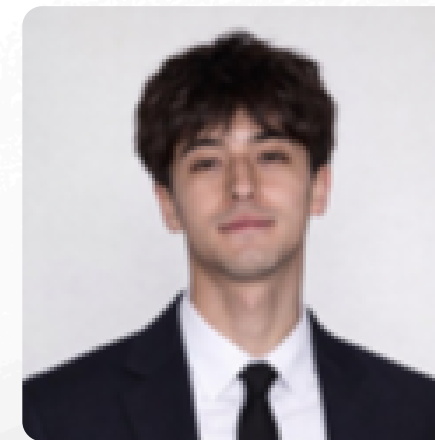
Angira Mishra
Senior Developer



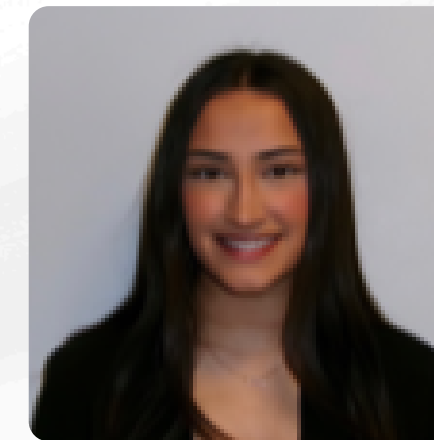
Pihu Chawra
Product Developer



Jack Mannion
Product Developer



Lucas Berger
Product Developer



Mansha Bhasin
Product Developer

UNIGRIP

PROBLEM STATEMENT

How can gym-goers at recreation centers maximize their workout variety, maintain consistent training momentum, and minimize time lost to equipment wait times, all without the burden of carrying multiple bulky attachments or being forced to compromise their routines due to unavailable or incompatible machines at high-traffic facilities?

PRODUCT POSTER

REVOLUTIONIZING YOUR WORKOUT



Crowded Gym? Lack of Selections? Too Many Attachments?

OUR SOLUTION

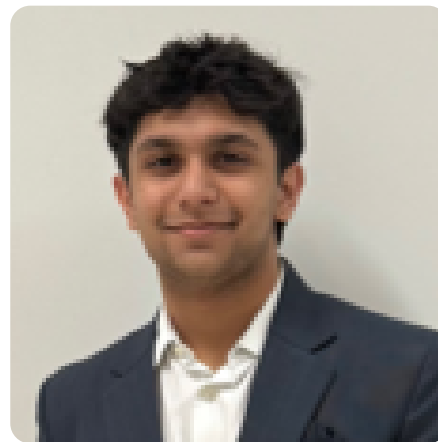
- The **Unigrip** is a modular cable attachment designed to enable users to adjust their grip, thereby expanding the range of exercises that can be performed.
- **Unigrip** combines the most important cable attachments into one cost- and space-effective attachment, eliminating the high wait times for popular attachments.
- We want to create a transformative change in a market of almost 24 million gymgoers by making workouts more efficient.

unigrip

OUR PRODUCT

Unigrip is a modular gym attachment that lets users swap grip configurations on a single device, expanding their exercise variety without wait times or the hassle of carrying multiple attachments. Backed by direct market research and competitive benchmarking, Unigrip fills a clear gap in the market for a single, versatile training solution.

THE TEAM



Arjun Wadhwa
Product Manager



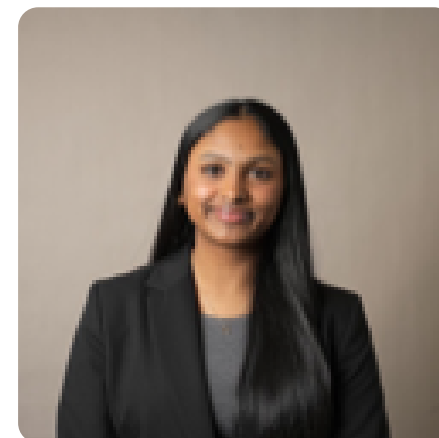
Jordan Lee
Product Manager



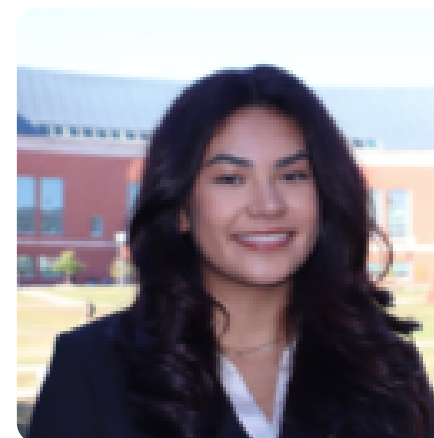
Nanoko Seki
Senior Developer



Micah Thompson
Product Developer



Medha Vemparala
Product Developer



Ariana Gonzales
Product Developer



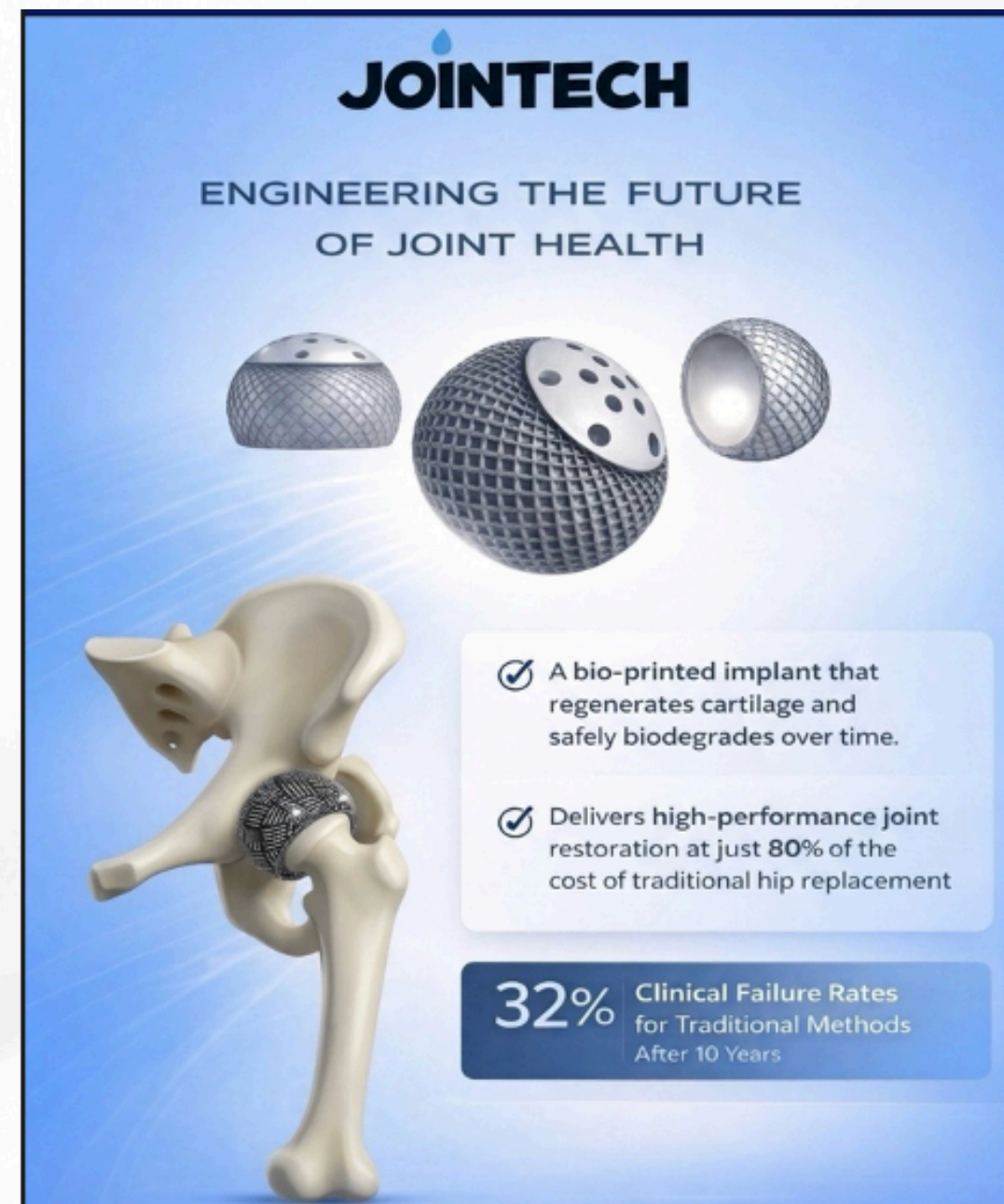
Ethan Chetverikov
Product Developer

PROBLEM STATEMENT

How can the hundreds of millions of patients worldwide suffering from osteoarthritis access a long-term, regenerative treatment solution that restores damaged cartilage rather than simply managing symptoms or replacing joints with large, invasive metal implants that do little to address the underlying cause of chronic pain and mobility loss?



PRODUCT POSTER



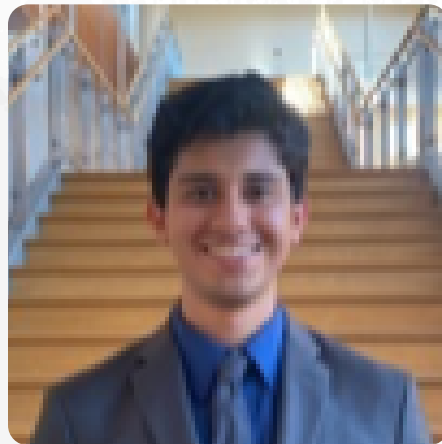
OUR PRODUCT

JoinTech is a bio-printed hydrogel joint implant designed to support minimally invasive cartilage restoration in patients with osteoarthritis. Rather than managing symptoms or implanting metal hardware, JoinTech regenerates cartilage directly, offering a first-of-its-kind solution with no current market equivalent.

CANARY



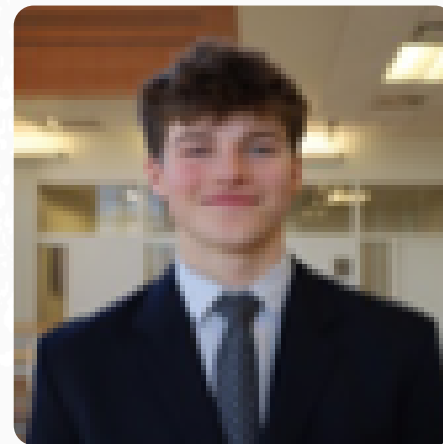
THE TEAM



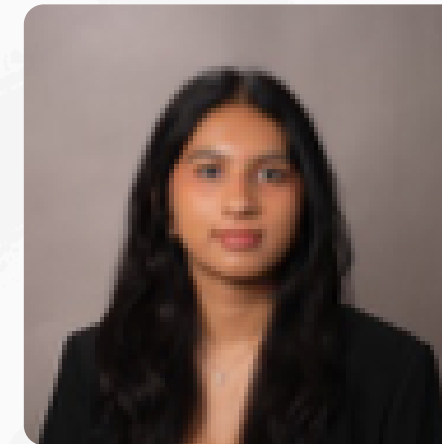
Parth Joshi
Product Manager



Ananya Satheesh
Product Manager



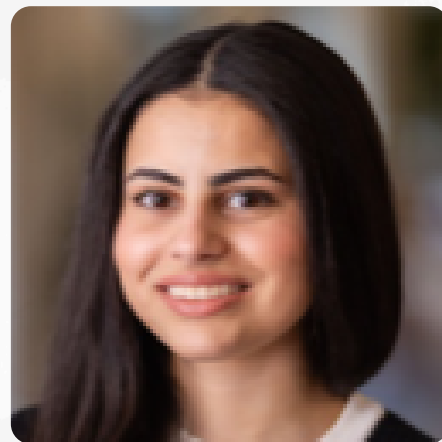
Patrick Pamula
Product Manager



Navika Tewari
Senior Developer



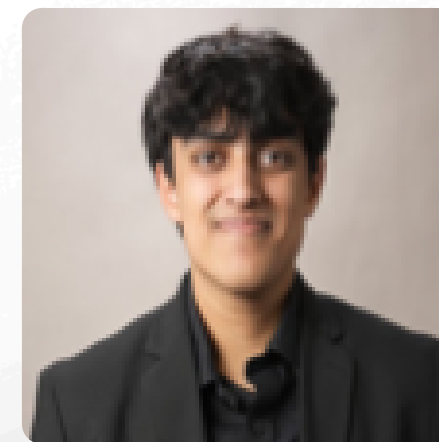
Sahana Shetty
Senior Developer



Layan Abukabbos
Product Developer



Aadi Rajesh
Product Developer



Aarav Verma
Product Developer



Hridayam Priyadarshi
Product Developer



CANARY



PROBLEM STATEMENT

How can construction companies and on-site inspectors efficiently detect structural faults, gas leaks, thermal anomalies, and other site hazards in inaccessible or dangerous areas without putting workers at risk or introducing costly delays to the inspection process?

PRODUCT POSTER

Cozad
NEW VENTURE CHALLENGE

Technology Entrepreneur Center

UNIVERSITY PARTNERS
Grainger Engineering | Gies Business | Carle Illinois College of Medicine

CANARY

PROBLEM: Modern construction environments pose safety risks due to:
Structural deficiencies that are not visually detectable
Manual inspection both hazardous and inefficient

SOLUTION: We develop an autonomous drone system that
Performs full-structure scans using advanced thermal imaging sensors
Detect subsurface defects and structural integrity issues

TIER 1
FEATURES:
Basic Surveillance

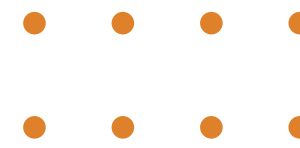
TIER 2
FEATURES:
Data labeling services, On-site support packages, Training workshops, Custom AI model development

TIER 3
FEATURES:
Multi-year enterprise contracts, API usage fees, Data marketplace

OUR PRODUCT

Canary is a smart drone inspection platform that uses aerial imaging, LiDAR, thermal cameras, and computer vision to automate hazard detection on construction sites, offering modular sensing payloads and a leasing model that lowers the barrier to entry for teams of any size.





THANK YOU

Presented By :
The National Organization for Business and
Engineering – Illinois Executive Board

