Dhruv Kekin Toprani

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EDUCATION

Michigan State University, College of Engineering, East Lansing, MI   August 2023 – December 2026
Majors: *Bachelor of Science, Computer Engineering and Electrical Engineering (Honors)*   **GPA: 3.9/4.0**
Highlights: Minor in Entrepreneurship & Innovation**, Deans List (x4)**, Presidential Scholarship **(Top 1% @ MSU)**
Involvement: Tower Guard Honor Society, President | Honors College Deans Advisory Council, Public Relations Officer

SKILLS

Product: Customer Discovery, Product Strategy, MVP Scoping, Agile, User Research, A/B Testing, Stakeholder Alignment
Tools: PowerApps, Adobe Creative Suite, Jira, Confluence, Figma, Lucidchart, Notion, Trello, Miro, Figjam
Technical: Python, HTML/CSS, JavaScript, MATLAB, Git, NumPy, Pandas, SQL, Firebase, APIs

EXPERIENCE

Dewpoint Technology   *Lansing, MI*
Technical Product Intern   June 2025 – Present
- Spearheaded the launch of Dewpoint's first Network Operations Center (NOC); scoped, built, and delivered within 6 weeks.
- Facilitated discovery with Sales leadership and clients across 3 verticals to validate need; insights led to roadmap greenlight.
- Hosted live demos for executive leadership and enterprise clients; enabled Sales to position the NOC as a premium service.
- Built Python + Power BI tooling for real-time monitoring and automated patching; authored comprehensive documentation.

Consumers Energy   *Jackson, MI*
Software Engineering Intern   May 2025 – July 2025
- Identified a high-effort gap during internal demo; built MVP, presented 75% cost savings to secure stakeholder buy-in.
- Led an Agile sprint with 5 engineers to ship the feature; managed sprint board and reported status in leadership syncs.
- Scoped and shipped a C#/.NET + SQL tool to improve storm workforce tracking; reduced assignment errors by 35%.
- Delivered an AI contract analysis agent (Python + Azure AI), cutting supply chain analyst processing time by 40%.

D-CYPHER Lab (Mentor: Dr. Vaibhav Srivastava)   *East Lansing, MI*
Research Intern   February 2024 – Present
- Replaced initial human testers with AI agents; accelerated validation cycles by 5× and enabled faster design iteration.
- Ran 1,000+ trials using bandit-based algorithms to model task allocation in multi-agent systems with aligned preferences.
- Conducted A/B tests against leading benchmarks; produced detailed insights on tradeoffs and guided algorithm selection.

MSU VEX-U Robotics Team   *East Lansing, MI*
Technical Program Lead   Aug 2023 – Present
- Planned sprints across 3 groups; aligned 10+ modules within deadlines to qualify for VEX Worlds 2024 (top 5% globally).
- Maintained a full-stack GitHub repository with SOPs and a team strategy doc; accelerated onboarding time by 2×
- Created Python telemetry tool to replay matches; enabled root cause analysis and increased scoring consistency by 20%.
- Directed 10+ K–12 events across Detroit; mentored 20+ student volunteers and introduced 1,000+ youth to robotics.

PROJECTS

6Dot | *(MSU Designathon Winner)*   *East Lansing, MI*
- Interviewed 5+ visually impaired students to identify gaps, validate needs and guide design iterations.
- Engineered a pocket-sized Braille attachment that converts phone text into tactile output with 98% signal accuracy.
- Pitched a working prototype and business plan within 36 hours; featured Bluetooth control and solenoid-based output.

ResQnet | *(SpartaHackX Winner)*   *East Lansing, MI*
- Reframed disaster relief with urgency-first design and narrative-driven funding; eliminated manual intake delays in 36 hours.
- Developed solo MVP of a decentralized aid platform; allowed disaster victims to post needs as NFTs for direct donor funding.
- Modelled flow from identity verification to transparent aid tracking; automated metadata generation through AI APIs.