

Kavya Mittha

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EDUCATION

Cornell University

Master of Engineering in Engineering Management

Ithaca, New York

December 2026

Bachelor of Science in Mechanical Engineering

May 2026

Dean's List: Fall '22, '24 and Spring '23, '24, '25

GPA: 3.725

Relevant Coursework: Project Management, Product Management, Digital Marketing, Mechatronics, Heat Transfer, Propulsion, Fluid Mechanics, Mechanics of Materials, Controls, Dynamics, Statics, Thermodynamics,

TECHNICAL EXPERIENCE

Caterpillar Inc.

Product Support and Service Engineering Intern

Lafayette, Indiana

May 2025 – Aug 2025

- Developed a standardized diagnostic framework for bottom-end engine failures and partnered with engineering and dealer teams to implement the workflow into a user-friendly web and mobile application.
- Conducted comprehensive failure mode analysis of 15 years of multi-platform engine data integrating insights into Caterpillar's new predictive analytics tools to enhance early failure detection and forecasting capabilities.
- Contributed technical support for active engine issues, performing root cause analyses and implementing immediate and long-term solutions at live sites reducing downtime and increasing customer satisfaction.

ASML Holding (Cymer)

San Diego, California

May 2024 – Aug 2024

Engineering and Program Management Intern

- Optimized Product Generation Process through process improvement initiatives that identified gaps and recommended solutions to streamline key tracking metrics for 500+ employees.
- Facilitated stakeholder alignment by organizing and leading recurring meetings with 20 different teams.
- Developed detailed documentation for 390+ process deliverables, defining objective, technical specifications, and non-delivery risks to drive data-driven decision-making.

LEADERSHIP EXPERIENCE

Society of Women Engineers (SWE) Cornell Chapter

Ithaca, New York

Sept 2022 – Present

President

- Lead a 25+ member executive board, across 9 directorships, and 175+ active members, executing 50+ annual events focused on professional development and diversity in STEM at Cornell and the Greater Ithaca communities (K-12 to college).
- Drove community engagement, secured corporate sponsors, and partnered with university leaders to champion student success through advocacy; recognized twice with Silver Mission Award.

Cornell University Autonomous Underwater Vehicle (CUAUV)

Ithaca, New York

Oct 2022 – Present

Onboarding and Recruitment Lead, Mechanical Member

- Onboarded 20 new members by coordinating a comprehensive 10-month training program covering four subsystems through theory and hands-on practice.
- Initiated a mentorship program to foster knowledge transfer, ensuring seamless integration of new members.
- Lead Designer for RoboNation's 2024 RoboSub Competition, achieved 2nd Place in Technical Competition.

Society for India at Cornell University

Ithaca, New York

Oct 2022 – Present

Senior Advisor (Former President)

- Directed event operations, managed budget, vendors, and on-site logistics for groups up to 1650 attendees.
- Oversaw a team of 19 students fostering collaboration, accountability, and an efficient work environment.
- Liaise between college groups and renowned celebrities to coordinate appearances and endorsements.

SKILLS

Technical Proficiencies: SOLIDWORKS, Autodesk Fusion, FMEA, DFMA, LaTeX, MATLAB, Arduino, Excel.

Skills: Leadership, Exceptional Communication, Team collaboration, Strategic thinking, Organization.

Languages: English (Fluent), Kannada (Conversational)