

Harshit Kandpal

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EDUCATION

Michigan State University

East Lansing, MI

B.S. in Computer Science, Concentration: Software Engineering, Minor: Business

May 2026

GPA 3.99

Course Highlights Software Engineering, Web Application Architecture and Development

EXPERIENCE

Magna International

East Lansing, MI

Software Engineering Capstone

January 2026 – Present

- Developing a **web-based CAD AI assistant** using **Python, PyTorch, FreeCAD, JavaScript, Next.js, Tailwind CSS, and LLMs** to automate part design generation and modifications, expected to cut manual CAD edits by **~35%**
- Implementing interactive AI-assisted editing and annotation features to accelerate design iterations and save engineers **2–3 hours per design** by reducing repetitive modeling tasks

PromoterMotor

Remote

Software Engineering Intern

September 2025 – Present

- Designing an AI-driven content generation system using **Node.js** and **Hugging Face Transformers** to automate video creation for YouTube, **projected to save 10+ hours of manual work per week**
- Developed internal automation and web-scraping tools using **Google Apps Script** to streamline workflows, **reducing manual effort by 30%+ and doubling usable data for analysis**

TECHNICAL PROJECTS

Quote Battle

East Lansing, MI

Full-Stack Voting App

August 2025

- Built a full-stack voting app using **JavaScript, Node.js, Express, React, and Postgres (Supabase)**, enabling **real-time voting with a dynamic leaderboard and reliable data**, boosting user engagement

TECHNICAL SKILLS

- Programming: JavaScript, TypeScript, React, Next, Tailwind, Python, C++, HTML/CSS, PyTorch
- Tools & Cloud: AWS, GCP, Docker, Linux/UNIX, Git, Database (MySQL, Postgres), LLM APIs
- Certification: AWS Certified Cloud Practitioner

HONORS & AFFILIATIONS

- Tau Beta Pi Engineering Honor Society
- Honors College Excellence Scholarship & International Tuition Grant
- Dean's List (7 consecutive semesters)