

Mahi H. Sheth

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EDUCATION

B.S. Computer Science — *College of Engineering & Applied Sciences, University of Cincinnati* Expected Graduation: May 2029
GPA: 3.2 | Relevant Courses: Information Security & Assurance, Engineering Applications, Engineering Design Thinking

High School Diploma — *William Mason High School* Graduated May 2025
GPA: 3.94 | Relevant Courses: Introduction to Information Technology, Computer Programming I, Honors Financial Accounting, Banking & Investments, Economics, Honors Microsoft Certification, Principles of Marketing

SKILLS:

Languages: Python, HTML5, CSS3, JavaScript, Typescript, SQL, C++, React,

Frameworks & Libraries: Bootstrap, REST APIs, GitHub API, RAG, NLP, Gradio, OCR

Developer Tools: Git, GitHub, VS Code, Figma, Command Line, GitHub Pages, Codespaces, Claude Code, Codex, Docker

Operating Systems: Windows 11, macOS, Linux, ChromeOS

Certifications: Microsoft Associate Certified: PowerPoint, Excel, Outlook, Word, Access

Foreign Languages: English (Native), Hindi (Professional Proficiency), Mandarin/Chinese (Beginner)

PROJECTS

Personal Portfolio Website | *Solo Developer* | *HTML5, CSS3, JavaScript, GitHub API, GitHub Pages* **August 2025 – Present**

- Engineered a responsive, multi-page portfolio using HTML5, CSS3, and vanilla JavaScript, deployed on GitHub Pages with CI/CD via Git
- Integrated the GitHub REST API to build a live developer analytics dashboard displaying commit activity, language breakdown, repository stats, and a filterable project grid—all with real-time data fetching
- Implemented an interactive resume page with JavaScript-powered animated skill bars using IntersectionObserver API, a paginated project carousel, and scroll-based active navigation

Autonomous Material Sorting Robot | *Documentation Lead & Co-Builder* | *LabVIEW* **January 2026 – April 2026**

- Programming a LEGO Mindstorms EV3 robot in LabVIEW to autonomously navigate a closed-loop path, classify shredded materials by weight, and route bins to the correct processing station with 90% accuracy target & led all project documentation
- Integrated 4-sensor array (color + touch sensors) and mechanical arm subsystem for autonomous bin pickup and deposit

Bright Box — Portable Solar Charger & Light | *Co-Project Manager* **September 2025 – December 2025**

- Co-led design and prototyping of a solar-powered device targeting electricity shortages in Dhaka, Bangladesh; aligned with UN SDG 7; achieved ~\$23–28/unit production cost target
- Built functional breadboard prototype with 20W solar panel, Li-ion battery, USB port, and LED; presented impact models projecting 11.5% year-over-year energy consumption increase

EXPERIENCE

Pfizer (via Extern) | Remote

AI Engineering Extern

May 2026 – Present

- Engineering data extraction pipelines using Python and advanced natural language processing (NLP) to parse, clean, and structure high-volume pharmaceutical documents, which streamlined downstream analysis and reduced manual preprocessing effort
- Implementing a Retrieval-Augmented Generation (RAG) workflow, that combines LLMs with vector embeddings, enhancing the relevance of retrieved document insights and improving query accuracy for research teams
- Developing an interactive Gradio web app that serves as a chatbot interface linked to the RAG pipeline, providing users with real-time answers and increasing accessibility of document knowledge
- Evaluating layout-aware OCR tools and computer-vision models to extract data from complex document layouts, boosting extraction accuracy and overall pipeline efficiency

Dig In Strategy | Mason, Ohio

Marketing Intern

January 2025 – May 2025

- Executed multi-platform digital marketing campaigns for a nonprofit client, delivering assets across Instagram and print to drive fundraiser attendance
- Produced and edited short-form video content by conducting professional interviews, increasing campaign visibility and audience engagement
- Authored feature articles for a regional business magazine, synthesizing research to expand community awareness

Comet Savings & Loan Bank | Mason, Ohio

Auditor

August 2024 – May 2025

- Audited income statements, balance sheets, and new account spreadsheets using Microsoft Excel across 800+ accounts totaling \$100,000+, applying formula validation and data integrity checks to ensure accuracy
- Validated treasurer reports and managed end-to-end transaction processing (interest, fees, deposits, withdrawals) by identifying calculation and data entry errors, maintaining zero discrepancies across all records