

Shirvil Sheth

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Education

University of Michigan | Class of 2025

Ann Arbor MI | Aug 2021- May 2025

Major: Bachelor of Science in Computer Science

Minor: Ross School of Business

- **Relevant Coursework**

EECS 497 “Human-Centered Software Design and Development” | **EECS 281** “Data Structures and Algorithms”

EECS 370 “Introduction to Computer Organization” | **EECS 376** “Foundations of Computer Science”

Relevant Experience

Rocket Mortgage | Software Engineer Intern

Detroit, MI | May 2023 - August 2023

- Transformed company-wide data access to team member data via conceptualizing and implementing a JavaScript, HTML, and CSS search webpage, integrating AWS OpenSearch; adopted by 10+ cross-functional teams, enhancing UX, replacing SQL queries, and facilitating efficient reporting
- Enhanced data processing and workflow efficiency by architecting 7+ AWS Lambda functions in order to automate routine key data ingestion tasks from Workday, resulting in improved operational workflows and a 15% decrease in total team-wide AWS usage costs
- Generated three interactive Power BI reports that captured team member performance ratings, goals, and peer feedback for all Rocket employees, promoting informed decision-making and bolstering organizational performance strategies.
- Conducted standard AWS maintenance: Terraform bucket tasks, job deactivation, and HAL deployments

Norma Group | Software Engineer Intern

Auburn Hills, MI | June 2022 - August 2022

- Developed software for an RFID chip scanning apparatus in TypeScript and Node.js to test fluid line connections for automobile assembly lines, increasing assembly efficiency by 20%
- Designed 25+ prototype unit tests to measure time complexities for real-world assembly applications
- Refactored codebase to optimize RFID accuracy by 10%, increased scans per minute by 2.5x from baseline
- Consolidated with in-house SQL server and PowerBI to generate enterprise-wide project business reports for Q2 product life cycles and Q3 sales projections

V1 Michigan | Software Engineer / Head of Design

Ann Arbor, MI | January 2022 - Present

- Implemented 15+ front-end features in React.js and TypeScript to the V1 Platform website geared to improving user experience and streamlining functionality resulting in a 30% increase in users
- Promoted V1 startup fair through email and orchestrated outreach to 50+ firms, leading to Michigan's largest student-run career event with 400+ students and 20+ companies
- Designed and distributed over 1000+ pieces of merchandise to attendees at startup career fair, contributing to the event's overall success and promoting brand recognition

Business Bootcamp | Instructor

Ann Arbor, MI | January 2022 - Present

- Directed fundamental business skills workshops for 100+ socioeconomically challenged individuals to provide interactive learning opportunities and peer mentorship
- Assembled 10+ PowerPoint slide decks throughout the years, consisting of interactive quizzes, educational videos, and business simulations to engage young students

Technical Skills

- Proficiency in C++, C, Python, JavaScript, TypeScript, CSS, SQL, HTML, Terraform, R
- Proficiency in AWS, G-Suite, Microsoft Office, Adobe Suite, Figma, and PowerBI