

Athira Nakkara Radhakrishnan

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EDUCATION

University of Michigan- Dearborn, College of Engineering and Computer Science Dearborn, MI
Bachelor of Science in Software Engineering (GPA: 3.6) *Graduation April 2025*

Relevant Coursework: Data Structures and Algorithms, Software Architecture and Design patterns, Software Engineering Tools, Software Engineering I & II, Web Technology, Discrete Structures I & II, Linear Algebra, Operating Systems, Computer Networks

SKILLS

- **Languages:** C/C++, Python, JavaScript, Typescript, Java, SQL, HTML5, CSS3, PHP, Assembly language
- **Software and Tools:** Git, GitHub, VS Code, Visual Studio, Jenkins, Material UI, Firebase, Vercel, SQLite, Mongo DB, MATLAB, GNU Octave, MS Office, Enterprise Architect, Microsoft Project, Katalon Studio, Eclipse IDE, GCP, Power BI
- **Methodologies:** Software Development Life Cycle, Debugging, Troubleshooting
- **Operating systems:** Unix, Linux, Windows

EXPERIENCE

Software Engineer | University of Michigan-Dearborn September 2024 - Present

- CECS Career Website: Building an authenticated platform for 5,000+ students to use for career development
- Used JavaScript, Node.js, React, Firebase, Material UI, CI/CD pipeline, GitHub, Git, API
- Developing UI mockups, front-end, back-end infrastructure with a team of 4 along with project clients
- Launch to happen in late 2025 for student and admin use

Software Engineering Fellow | Headstarter AI July 2024 – Aug 2024

- Completed projects using Agile methodologies with weekly sprints and integrated CI/CD practices for iterative deployment of 2 web projects in 2 months
- Participated in 3+ weekly sessions with engineers from Google, Y Combinator, Stanford, Amazon, and startups

Ecommerce Associate | AMAZON - WHOLE FOODS MARKET | VIENNA, VA / DETROIT, MI June 2017 - June 2021

- Trained 30 new team members on Ecommerce Application, promoting teamwork and collaboration
- Resolved customer complaints efficiently, applying problem-solving skills to ensure customer satisfaction
- Received quarterly Team Member of the Year award for leadership, teamwork, and outstanding service

PERSONAL PROJECTS

Inventory Management App | *JavaScript, Next.js, React, Firebase, Vercel, Material UI, CI/CD pipeline, GitHub*

- Developed a full-stack web app for users to manage inventory using Next.js and React for a responsive frontend, and Integrated Firebase for real-time database functionality and cloud storage
- The app allows users to add, edit, and remove inventory items, with real-time updates and data storage using Firebase's Firestore
- Implemented Material UI components for a clean, responsive interface. Integrated case-insensitive item search and prompts for adding duplicate items
- Utilized GCP for cloud services and hosted the app on GitHub for version control, Deployed the application with Vercel and managed CI/CD pipelines for automated builds and deployment

Portfolio Website | *HTML, CSS, JavaScript, Visual Studio Code, Git, GitHub, Domain Registration (GoDaddy)*

- Developed my personal portfolio website using HTML, CSS, and JavaScript to showcase projects and skills
- Managed code with Git and deployed the site via GitHub Pages, ensuring a professional online presence
- Registered a custom domain through GoDaddy to enhance branding and accessibility

ACADEMIC PROJECTS

Database for clothing store | *SQL, SQLite, Enterprise Architect, Database Management System (DBMS)*

- Analyzed and specified the database requirements using an ER diagram, converting it into a relational database
- Using SQLite created the database and successfully loaded sample data to test functionality
- Developed and executed 10 SQL queries on the database, reported and monitored the performance

Function Point Metric Calculator | *HTML, CSS, JavaScript, VS Code*

- Developed a user-friendly web interface for the enhanced FP metric calculator, adhering to the full Software Development Life Cycle (SDLC) to estimate software project size and complexity using Function Points
- Created the design documents, Test plan documents, and User manual to ensure comprehensive project documentation and usability