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