

Fatuma Ilmi

Email: Ilmi.5@buckeyemail.osu.edu | **Location:** Columbus, OH | **Portfolio:** fatuma-codes.netlify.app |
| GitHub: github.com/filmi7873 |

EDUCATION

The Ohio State University: Columbus, OH
B.S. Computer Science & Engineering

Expected Graduation: May 2026

TECHNICAL SKILLS

- **Languages:** Java, Python, C++, C, JavaScript (ES6+), HTML5, CSS3
 - **Frameworks/Libraries:** React.js (Hooks, Context API), Node.js, Express.js, Spring Boot
 - **Databases:** MySQL, PostgreSQL, PostGIS
 - **Tools/Systems:** Git, Docker, Linux/Unix, REST APIs, Bash, x86 Assembly
 - **Testing:** GDB, JUnit, Jest, Valgrind
-

INTERNSHIP EXPERIENCE

Software Engineering Intern — Ubihere (AI & Tech Startup)– Hilliard, OH *May 2025-Present*

- Cut routing latency 95%+ (7ms vs. 100ms) by deploying a Dockerized OSRM engine with Postgres, boosting real-time fleet reliability.
- Scaled routing infrastructure to 1.4B+ nodes / 143M road segments on a 48-core host, enabling nationwide navigation.
- Built Snap-to-Road API on PostgreSQL/PostGIS, processing 1.8M+ Ohio roads with confidence scoring and REST endpoints.
- Developed React frontends (MapLibre) with dual-map layouts, offline tiles, and live monitoring for fleet operations.
- Led all-intern team to Hack Day win with a Google-integrated CRM built in 24 hours, outperforming SWE teams.

Software Engineering Intern — Southwestern Ambulance Services LLC – Columbus, OH *Summer, 2024*

- Engineered a full-stack scheduling platform (Java backend + JS frontend), reducing scheduling time by 30%.
 - Implemented secure authentication and RBAC for dispatch operations, strengthening system integrity.
 - Optimized JSON-based data handling, improving backend response times by 35%.
 - Built a comprehensive unit test suite (JUnit, Jest), ensuring 99.5% uptime and reliable performance.
-

PROJECT EXPERIENCE

Career Bloom - Job Application Tracker — Personal Project *June-August 2025*

- Launched full-stack React + Node.js app with PostgreSQL to replace 200+ row job-tracking spreadsheets.
- Built NLP resume-matcher with keyword extraction and text analysis to boost job-resume alignment.
- Designed multi-board workflow with interview tracking and progress indicators for an intuitive, automated job search tool.

Hackathon 2024: Real-Time Parking Website — HackOH/IO - Columbus, OH *October 8-9, 2024*

- Led 4-person team to build a Java + React + MySQL web app that cut parking search times by 60%.
 - Processed 1,000+ sensor updates per minute for real-time availability visualization.
-

LEADERSHIP AND PROFESSIONAL INVOLVEMENT

Girls Who Code (GWC) — The Ohio State University - Columbus, OH *Member, 2024 – Present*

- Mentored 5 junior developers in Java and C programming while leading technical workshops on data structures and algorithm optimization

Society of Women Engineers (SWE) — The Ohio State University - Columbus, OH *Member, 2022 – Present*

- Led technical workshops on debugging; engaged in professional development and networking events.

Mount Leadership Society — The Ohio State University - Columbus, OH *Member, 2020 – Present*

- Organized weekly food drives and senior brunches serving 200+ community members.