

# Mariam Mohamed

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## EDUCATION

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### Misr International University (MIU)

*Bachelor of Computer Science (Expected 2027)*

Cairo, Egypt

*Oct 2023 – Present*

- Relevant Courses: Problem Solving, Data Structures, Algorithms, OOP, Web Development, Networking (CCNA)

## TECHNICAL SKILLS

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- **Languages:** C++, Java, JavaScript, HTML/CSS
- **Frameworks/Tools:** Node.js, Express.js, MongoDB, EJS, Bootstrap, Git, NetBeans, JavaFX
- **Networking:** Cisco Packet Tracer, VLAN, DHCP, OSPF, NAT, VPN
- **Software:** Visual Studio, VS Code, Adobe After Effects, Illustrator
- **Cybersecurity:** SOC Level 1 (In Progress)
- **Languages Spoken:** Arabic (Native), English (Professional)

## PROJECTS

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### CSC230 Computer Networks Project | *Cisco Packet Tracer, Networking*

(GitHub)

- Designed and configured a full network using VLANs, OSPF, DHCP, NAT, VPN
- Simulated enterprise connectivity and routing protocols in Packet Tracer

### C++ Projects Container | *C++, Algorithms*

(GitHub)

- Developed multiple applications including ribbon cutter, room booking, BFS/DFS simulations
- Applied algorithmic thinking and OOP for problem-solving

### Clothes Management System | *Java, GUI*

(GitHub)

- Admin can add/remove clothes; users can manage cart items
- Built with JavaFX and full GUI using NetBeans IDE

### IRecipe Platform | *Full Stack Web*

(GitHub)

- Web app for recipe sharing, rating, and admin moderation
- Used Node.js, Express, MongoDB, EJS templates, Bootstrap UI

## EXPERIENCE

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### Freelance Developer & Learner

Remote

*Full Stack Web Development — C++ Development — Networking*

*2024 – Present*

- Built and deployed multiple projects using C++, Java, and JavaScript, focusing on algorithms and real-world scenarios
- Developed a full-stack recipe-sharing platform (IRecipe) with user authentication, admin dashboard, reviews, and search functionality
- Created GUI-based desktop apps including a Clothes Management System in Java with JavaFX and NetBeans
- Worked on academic-level networking setups with Cisco Packet Tracer involving OSPF, VLAN, DHCP, and NAT