

# RAGHAD ALBADAWI

Computer Engineering Graduate | Full-Stack & AI Developer

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## PROFESSIONAL SUMMARY

Computer Engineering graduate specializing in full-stack development, AI systems, and modern web applications. Experienced building scalable products using React, TypeScript, Python, Next.js, and PostgreSQL through industry, academic, and independent projects. Strong communication and leadership skills with experience mentoring students in programming and software engineering.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, TypeScript, Java, C, C++

**Frontend:** React, Next.js, Tailwind CSS, HTML, CSS

**Tools & Concepts:** Git, GitHub, PostgreSQL, Supabase, OOP, Algorithms & Data Structures, Computer Vision, Embedded Systems

## EXPERIENCE

**Software Engineering Intern | SamSearch** | Jul 2024 – Dec 2024

- Developed personalized recommendation features and interactive onboarding flows using React.
- Collaborated on production-ready platform features, testing and validating functionality to improve usability and stability.

**Lab Supervisor — Computer Science | Örebro University** | Sep 2024 – Mar 2026

- Mentored students in C programming, object-oriented programming, and embedded systems during practical lab sessions.
- Supported coursework in Discrete Mathematics, Introduction to Computer Science, and OOP.

## PROJECTS

**Will — Full-Stack Accountability Web Application**

- Built and deployed a full-stack application using Next.js, TypeScript, Supabase, PostgreSQL, Tailwind CSS, and GitHub Actions with automated email workflows and token-based check-in systems.

**AI-Based Tool Damage Detection for Autonomous Agricultural Robots — Bachelor Thesis**

- Developed CNN-based computer vision models for detecting damaged robotic tool tips using image data in collaboration with Ekobot AB.

**Pedestrian Evacuation Simulator**

- Developed a JavaFX-based multi-agent evacuation simulator with real-time visualization and pathfinding algorithms.

## EDUCATION

**B.Sc. in Computer Engineering | Örebro University, Sweden** | Graduating 2026

*Eligible to work in Canada*