

Maryam Zien Al-Deen

Full-Stack Software Engineer | Founder | Mentor | IEEE Chairman

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Full-Stack Software Engineer and Founder with 3+ years' experience building AI, IoT, and full-stack solutions. Proven record in mentoring, DevOps automation, and leading cross-disciplinary tech teams.

Professional Experience

Software Engineer PIPP	2025
- Optimized internal CMS workflows and admin navigation, enhancing operational efficiency across moderation flows. - Enhanced backend and database reliability utilizing AWS Lambda serverless automations and data-consistency fixes. - Collated cross-functional product tickets into polished, production-ready UI updates and full-stack feature releases.	
Mentor; Project GirlPreneur Program The Nawaya Network	2025 – Present
- Mentor Lebanese girls through an 8-week entrepreneurship program in collaboration with Stand for Women.	
Chairman IEEE Student Branch, Islamic University of Lebanon (IUL)	2025 – Present
- Revived the branch after 3 years of inactivity; organized 5+ events with GDG & BAU and achieved remarkable results.	
Founder & Team Lead PlantPal	2024 – Present
- Created an AI-powered gardening assistant integrating IoT sensors & smart plant analytics. - Led a team of 10 (engineers, AI, cybersecurity, business & agriculture experts). - Designed UI/UX in Figma and secured \$3K+ in grants and awards	
Founder PawPal (IoT & E-Commerce Pet Care Platform)	2022 – Present
- Built a smart pet-care system combining AI, IoT & e-commerce for real-time monitoring. - Achieved \$4.5K funding and multiple national awards.	
Tutor for Native and Foreign Speakers Zoom, Google Meet, Teams	2021 – Present
- Delivered 2,000+ hours of personalized Arabic & English instruction.	

Education

B.E. in Computer & Communications Engineering | IUL (2023 – Present) | B.Sc. in Biochemistry | LU (2020 – 2024)

Certificates

Web & Mobile Development Bootcamp AUF & Simplon (840 hours)	2025
Full-Stack Web Development Training Aosis Tech Inc. (6 month)	2025
SCRUM Project Management PMI Authorized	2024
Hackeuses Program (Web CMS Development) AUF & Simplon (210 hours)	2024
DevOps Engineer Forward Mena	2024
Docker, Kubernetes, Terraform & Ansible Certified Associate Forward Mena	2024

Technical Skills

Python | JavaScript | TypeScript | C | C++ | C# | Java | SQL | MATLAB | HTML | CSS | React | Node.js | Vue.js | Next.js | Express | Nest.js | React Native | MongoDB | MySQL | SQLite | Oracle | PostgreSQL | NoSQL Systems | Docker | Kubernetes | Terraform | AWS | Microsoft Azure | CI/CD | Git | Ubuntu | Linux | WordPress | Figma

Projects

Web Development Projects :E-Commerce, Portfolio, & Gaming Websites | **DevOps & Cloud**: CI/CD Automation | Kubernetes Deployment | Scalable Cloud Infrastructure | App Deployment | **AI-Based Cardiovascular Disease Prediction**

Awards & Achievements

IEEE Xtreme 19.0 Achieved 3rd Place (Universities), 4th in Lebanon out of 80+ National Teams	2025
National Startup Grant & Innovation Winner Won a Total of \$6,750 Funding	2025

Languages

Arabic (Native); English (Proficient in speaking, reading & writing); French (Beginner)