Mohammad Farrah

mohfarrah04@gmail.com | (253)-361-7625 | linkedin.com/in/mohammadfarrah | github.com/MohFarrah

EXPERIENCE

Research And Development Assistant — Jun 2025 – Present
University of Washington — Tacoma, WA, USA
– Built custom NLP system using Machine Learning, PyTorch, and advanced Python libraries.
– Applied deep learning to process syntactically and semantically rich Arabic text.
– Integrated OpenAI Whisper for Arabic speech-to-text to enhance data analysis accuracy.
– Developed React.js frontend for platform supporting NLP research and deployment.

Full Stack Engineer Team Lead Intern — Jun 2024 – Present
LameRo — Amman, Jordan (Remote)
– Led a product development of a React Native AI platform enabling drag-and-drop mobile apps.
– Integrated Supabase Authentication with secure front-end/back-end data handling.
– Designed and deployed scalable API Algorithms with Node.js, Express, and Supabase Functions.
– Managed agile sprints, led standups and ensured CI/CD automation delivery via GitHub Actions.

Software Engineer Intern — Mar 2024 – Jun 2024
Exchvnge — Los Angeles, CA, USA (Remote)
– Developed a social video automation tool using Next.js, Firebase Auth, and third-party APIs.
– Improved user experience by handling complex multi-platform media upload workflows.
– Worked in a fast-paced agile environment with weekly code reviews and sprint retrospectives.
– Handled authentication, routing, and UI state with Redux and secure API integrations.

PROJECTS

Medical Chatbot | *TypeScript, Python, SQLite, OpenAI API* — Mar 2025
– Built an AI assistant to triage user symptoms using NLP for automated diagnosis routing.
– Managed full stack: Python backend, SQLite database, and TypeScript front-end with styling.
– Handled prompt engineering, open-source development integration, and user flow.
– Top 15 finalist among 70 teams at GenAI hackathon; praised for usability and clarity.

Online Courses Store | *JavaScript, Node.js, PayPal API* — **Link** — Dec 2024
– Built and deployed a web application with secure checkout using Node.js and PayPal API.
– Designed UI for responsive, mobile-friendly experience with SEO optimization in mind.
– Secured API keys and used environment variables for production-grade deployment.
– Enabled real-time payment confirmation and email notifications on course access.

EDUCATION

University of Washington — Aug 2025
B.S. in Computer Science and Systems — *Dean's List*
Relevant Courses: Data Structures, Algorithms Design and Analysis, Physics, Mathematics, OOP

SKILLS

Technical Skills: Java, JavaScript, Python, C/C++, API, Unit Testing, React, AWS, SQL, ML

Core Competencies: Leadership, Reliability, Problem solving, Work Independently, Communication