Maryam Abdul Karim

Software Developer | Python and Django | Web Applications
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PROFESSIONAL SUMMARY

Computer Science graduate with freelance front-end development experience, web and mobile project coordination, and a growing portfolio of Python, Django and JavaScript applications. Project work covers REST APIs, relational databases, authentication, responsive interfaces and AI prototypes. Seeking the Software Developer Intern role at Meraki Matrix to contribute practical programming skills, clear communication and a strong learning attitude while developing within an experienced engineering team.

TECHNICAL SKILLS

Programming: Python, JavaScript, TypeScript, PHP, HTML, CSS, SQL.

Web and mobile: Django, Django REST Framework, React, React Native, Flask, Tailwind CSS; familiarity with Node.js and Android Studio.

Databases and development: MySQL, SQLite, PostgreSQL project work, REST APIs, CRUD operations, token authentication, GitHub, API testing and responsive UI development.

AI learning and projects: PyTorch, image classification, Grad-CAM, AI agents, natural language database interfaces; ongoing study of machine learning and RAG.

SELECTED GITHUB PROJECTS

Little Lemon Restaurant Web Application | Django capstone

github.com/maryamabdulkarim361-lab/little-lemon-web-application

- Developed menu and table-booking REST APIs with Django REST Framework, database models, serializers and CRUD endpoints.
- Added token-based authentication with Djoser, MySQL-ready configuration and SQLite fallback; included API tests for menu retrieval, authenticated creation and bookings.

Metriva | Conversational analytics project

github.com/maryamabdulkarim361-lab/Metriva

- Created a Django and React/TypeScript project for querying business data, exploring database schemas and presenting analytics through a web interface.
- Organized modules for SQL validation, data-source connections, saved reports and predictive analytics; included automated test suites and Docker configuration.

Zaiqa | Restaurant menu front-end prototype

github.com/maryamabdulkarim361-lab/Zaiqa

- Created customer menu and administration interfaces with HTML, CSS and JavaScript, with interactive 3D dish previews and AR support for compatible assets and devices.
- Used shared JavaScript menu data and an export-based editing workflow in the public prototype; database-backed functionality is a planned extension.

ADDITIONAL GITHUB PROJECTS

Breast Ultrasound Classifier | Educational AI prototype

github.com/maryamabdulkarim361-lab/Ultrasound-Diagnosis-for-Breast-Cancer

- Developed Python/PyTorch training and prediction code for normal, benign and malignant ultrasound image classification, with a Flask interface and Grad-CAM visualization support.
- Included training and cross-validation scripts; focused on reproducible experimentation and model evaluation for an educational research use case.

AI Database Assistant | Documented system design

github.com/maryamabdulkarim361-lab/AI-Database-Assistant

- Documented a natural-language-to-SQL workflow with PostgreSQL, a Django REST API and a React/TypeScript interface, including read-only query validation and analytics concepts.

PROFESSIONAL EXPERIENCE

Remote UI/UX Designer | Techno Logic Innovations Ltd | 2025 - Present

- Lead and coordinate web and software projects, working with teams on delivery, testing and client support.
- Oversee website, mobile application and AI-based project development, connecting interface design with practical user requirements.

Compliance Head | UK-based energy insulation company | 2023 - 2026

- Coordinated compliance activities across energy insulation projects, retrofit work and property assessments.
- Managed team workflows and reporting standards, applying attention to detail and structured problem-solving to project delivery.

Administration Assistant and Computer Instructor | EDU HUB College | 2020 - 2023

- Supported data collection and reporting automation, administrative operations and academic scheduling.
- Provided computer instruction and IT support to students and staff, explaining technical tasks clearly to different users.

UPCOMING PROJECTS

Live Restaurant Application | Planned

Plan to develop a live restaurant application, building on existing restaurant menu and booking project experience.

Cybersecurity Attack Analysis Agent | Planned

Plan to explore an AI agent focused on cybersecurity attacks, combining AI-agent learning with prior ethical hacking training.

EDUCATION

Bachelor of Computer Science with Honours | 2011 - 2015 Lahore College for Women University | Degree completed

CERTIFICATIONS AND TRAINING

Python Programming for All Levels | Penetration Testing and Web Hacking / Ethical Hacking | Red Hat Certified System Administrator (RHCSA)