

Aamir Abdul Kader

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EXPERIENCE

SEHTANA

Software Engineer

February 2026 – Present

Doha, Qatar

- Developed SEHTANA and contributed to product and technical delivery of a patient-facing healthcare companion platform spanning a mobile app, self-service kiosk, backend services, and multilingual AI assistant.
- Architect and implement multi-tenant services for secure patient identification, appointment booking, check-in, queue and wait-time workflows, audit logging, localization, and mobile/kiosk integration.
- Designed a FHIR-aligned integration foundation for future Oracle Health/Cerner connectivity, including tenant-scoped encrypted patient identifiers and RAG workflows for appointment support and medical or lab-result explanations.

AISCIA Informatics

Software Engineer

July 2025 – October 2025

Doha, Qatar

- Completed the platform redesign and cloud migration initiated during internship, improving reliability, maintainability, performance, and production readiness.
- Implemented Gunicorn and Celery for asynchronous ML inference and training workloads, increasing tested request-handling capacity by up to 900% and improving API reliability under peak demand.
- Developed ModuleAI full-stack features serving pre-trained ML models across 5 industrial sectors; built batch inference workflows processing thousands of manufacturing records per run and optimized model-loading and inference pipelines.
- Migrated the company website from WordPress to Cloudflare, improving performance, security, and deployment efficiency; owned deployments, Git workflows, feature delivery, bug fixes, and platform maintenance as sole software engineer.

AISCIA Informatics

Software Engineering Intern

May 2025 – July 2025

Doha, Qatar

- Designed and implemented React interfaces for platform modules, contributing to a UI/UX redesign, frontend optimization, and improved website performance.
- Integrated ML algorithms into analytics and computer vision workflows and improved data handling and visualization through graph normalization and rendering fixes.
- Configured Azure VMs and Docker environments; researched biochemical processes and lab-automation workflows, developed the mini-SDL interface, and supported integration for the larger liposome extruder system.

University of Doha for Science and Technology

Peer Tutor

February 2025 – April 2025

Doha, Qatar

- Mentored students on software architecture, REST APIs, PostgreSQL, SQLAlchemy ORM, React Native, Firebase, system integration, and debugging practices.

EDUCATION

University of Doha for Science and Technology

Bachelor of Science in Information Systems; GPA: 3.41/4.0

Doha, Qatar

Graduated August 2025

ACHIEVEMENTS

Shell.ai Hackathon for Sustainable and Affordable Energy 2025

Runner-Up – Startup Category

June 2025 – September 2025

- Led a team to 2nd Place in the Startup Category among 7,500 teams globally in the Fuel Blend Properties Prediction Challenge.
- Built an ML prototype for sustainable aviation fuel blend-property prediction and presented technical findings and business impact at Shell's Change Makers of Tomorrow event.

TECHNICAL PROJECTS

RAHATAK, Guest & Gate Management System

Flutter, Node.js, MySQL, Firebase, WebSockets, Mobioos Forge, Azure, Prisma ORM

August 2024 – March 2025

- Developed a full-stack guest and gate management system using Software Product Line architecture for automated source-code derivation across domains and branding requirements.
- Built Node.js REST APIs, a Prisma/MySQL multi-tenant schema, WebSocket notifications, and analytics workflows for resident, security, and management applications.

HAJZ, Restaurant Booking System

React Native, Firebase

February 2024 – April 2024

- Built a real-time reservation application with table-availability tracking, customer preference capture, CRM functionality, and drag-and-drop table-layout management.

SKILLS

Languages: JavaScript, Python, Dart, SQL **Frontend:** React, React Native, Flutter, Next.js, HTML/CSS

Backend: Node.js, Express.js, Flask, FastAPI, REST APIs, WebSockets, Celery, Gunicorn, Prisma ORM, SQLAlchemy

AI & Data: Scikit-learn, TensorFlow, PyTorch, Optuna, Pandas, NumPy, LLM Integration, RAG, AI Agents

Cloud & Data: Azure, Docker, Nginx, Cloudflare, Linux, CI/CD, Git, MySQL, PostgreSQL, Firebase, MongoDB, Redis

Healthcare & Architecture: FHIR, Multi-Tenant Systems, Secure Patient Identity, Local LLM Deployment

CERTIFICATIONS

- HCIA Cloud Service – Huawei
- HCIA OpenEuler – Huawei
- Foundations of Cybersecurity – Palo Alto Networks Academy
- Certified Peer Tutor – University of Doha for Science and Technology