

# AAMIR ABDUL KADER

Software Engineer | Full-Stack Developer

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## PROFESSIONAL SUMMARY

Full-stack software engineer with hands-on experience building web applications, RESTful APIs, and cloud-based solutions. Recently graduated with a B.Sc. in Information Systems and promoted from intern to software engineer within 3 months based on strong performance. Proficient in modern JavaScript frameworks, backend development with Node.js and Flask, and cloud deployment on Azure. Experience delivering applications from design through deployment in production environments.

## EDUCATION

Bachelor of Science in Information Systems

University of Doha for Science and Technology | Doha, Qatar | Graduated: August 2025

Relevant Coursework: Software Engineering, Database Systems, Mobile Development, Web Security, Web Technologies, Data Structures and Algorithms, Object Oriented Programming

## TECHNICAL SKILLS

Programming Languages: JavaScript, Python, Dart, SQL

Backend Technologies: Node.js, Flask, API, Prisma ORM, SQLAlchemy, Gunicorn, Celery, Redis

Frontend Technologies: React, React Native, Flutter, HTML, CSS

Databases: MySQL, Firebase, MongoDB

Cloud & DevOps: Microsoft Azure, Docker, Nginx, Linux, Cloudflare, CI/CD

Tools & Methodology: Git, GitHub, Agile, Scrum, Software Product Line Engineering

## PROFESSIONAL EXPERIENCE

Software Engineer | AISCIA Informatics | Doha, Qatar

July 2025 - Present

- Completed platform redesign and cloud migration initiated during internship, ensuring seamless transition and improved system reliability.
- Implemented Gunicorn WSGI server with multiple worker processes, increasing concurrent request handling from 1 to 9 requests simultaneously on 4-core VM, and integrated Celery task queue for asynchronous processing of machine learning predictions and training jobs
- Developed backend API and frontend interfaces for ModuleAi, serving pre-trained models across 5 industrial sectors for predicting machine parameters, material quality, process outcomes, and optimization.
- Built batch prediction system capable of processing thousands of predictions simultaneously for manufacturing optimization workflows.
- Led redesign and migration of company website from WordPress to Cloudflare, improving performance, security, and deployment efficiency.
- Developed machine learning model and prototype for Shell AI Hackathon focused on sustainable aviation fuel optimization, achieving runner-up status in startup category at Shell Changemakers of Tomorrow event.

- Contributed to strategic planning for website redesign with focus on SEO strategies.
- Created deployment scripts and managed Git workflows as sole software engineer in the company.
- Managed all technical aspects of AISCIA platform including feature development, bug fixes, and system maintenance.

Software Engineering Intern | AISCIA Informatics | Doha, Qatar  
May 2025 - July 2025

- Designed and implemented intuitive user interfaces with React for AISCIA platform, leading UI/UX redesign that improved user experience and website performance.
- Initiated platform redesign and cloud migration project, laying foundation for production deployment.
- Integrated machine learning prediction algorithms into computer vision tools and developed new models for intelligent analytics.
- Enhanced data visualization through graph normalization and rendering fixes.
- Managed and configured Azure Virtual Machines, including user setup, storage, and secure remote access.
- Gained hands-on experience with Docker for creating consistent development environments.
- Researched bio-chemical processes and materials to support development of Self-Driving Lab.
- Created GUI for mini-SDL in preparation for the full-scale implementation.
- Actively troubleshooted and resolved technical issues across multiple projects.

Peer Tutor | University of Doha for Science and Technology | Doha, Qatar  
February 2025 - April 2025

- Mentored undergraduate students in mobile application development using React Native and Firebase.
- Provided technical guidance on software architecture, debugging techniques, and best practices.
- Assisted students with IT system integration projects and cloud service implementation.

## **CAPSTONE PROJECTS**

RAHATAK - Automated Guest Management System

Technologies: Flutter, Node.js, Prisma ORM, MySQL, Firebase, REST API

- Developed full-stack guest and gate management system with real-time notifications and automated workflows.
- Built RESTful API backend with Node.js handling authentication, visitor data, and access control
- Designed MySQL database schema with normalized tables for multi-tenant architecture with Prisma ORM.
- Applied Software Product Line Engineering methodology to create modular codebase enabling automated generation of customized versions for different domains.
- Created analytics dashboard with real-time data visualization for operational insights.
- Integrated WebSockets for push notifications and real-time updates across mobile and web platforms.