

Aman Abdul Salam

Dubai, UAE | aar350@student.bham.ac.uk | +971 561750441 | LinkedIn: [Aman Abdul Salam](#) | GitHub: [amanriyas](#)

EDUCATION

University of Birmingham, Dubai

Dubai, UAE

M.Eng Computer Science and Software Engineering

September 2023 - July 2027

- **Related Coursework:** Data Structures & Algorithms, Object Oriented Programming, Functional Programming, Artificial Intelligence – 1, Operating Systems, Software Engineering and Professional Practices
- **Awards:** Chancellor's Merit Scholarship for Academic Excellence

Bengaluru City University

Bengaluru, India

Bachelor of Arts

July 2019 - October 2022

- **CGPA:** 8.83

EXPERIENCE

International Free Zone Authority

Dubai, UAE

Intern – Strategy Ecosystems

Skills: React, Vite, JavaScript, Tailwind CSS, Git, Vercel

July 2025 – August 2025

- **Developed** an AI-powered **MVP** for a semi-automated branding platform within the IFZA ecosystem, **collaborating** with the Strategy Ecosystems team to enable SMEs to streamline brand creation through **AI-assisted** logo design, typography, color palettes, and templates while maintaining human oversight and adaptability in technical implementation.
- Built a **responsive** MVP application using React with Vite and Tailwind CSS, leveraging GitHub Copilot for **accelerated** development and deploying on Vercel for **continuous integration**.

Naico ITS

Kochi, India

Software Engineer Intern

July 2024 – September 2024

Skills: Python, Django, Django REST Framework, POSTMAN, MySQL

- **Collaborated** with the Internal Tools team to design and develop **automated reporting solutions**, demonstrating strong **analytical** and **problem-solving** abilities while reducing manual reporting time by **50%**.
- **Developed** and **optimized** RESTful APIs using Django REST Framework, showcasing ability to quickly learn and implement new technologies in a **fast-paced environment**.
- **Implemented** efficient **database solutions** using Django ORM and **SQL**, reducing query time by **20%** while ensuring optimal data structure design and complexity analysis.

PROJECTS

Axiom- Agentic Employee Onboarding Platform | Skills: FastAPI, Next.js, Groq API, ChromaDB | [Live](#)

- **Built** a zero-touch onboarding platform automating a **10-step pipeline** from contract generation to calendar scheduling by integrating **FastAPI**, **Next.js**, and **Groq APIs**.
- **Developed** RAG-powered document generation for **5 jurisdictions** (US, UK, UAE, Germany, Singapore) by implementing **ChromaDB** for vector storage and **Voyage AI** for embeddings.
- **Designed** a visual workflow with real-time **DAG visualization** and human approval gates by leveraging **React Flow** and **Google Calendar API** for automated event scheduling.

GreenTrack- Carbon Intelligence Platform | Skills: OdoO 19, Python, Postgres, Docker | [GitHub](#)

Dubai, UAE

- **Developed** a **carbon intelligence platform** using **OdoO 19** and **Python**, implementing custom modules for tracking emissions across energy, transport, waste, and water operations with UAE-standard emission factors and automatic CO2 calculations
- **Built AI-powered predictive analytics** using **Python**-based linear regression to forecast future carbon savings, detect performance trends, and provide confidence-scored recommendations—all without external ML dependencies
- **Containerized the full-stack application** with **Docker** and **Docker Compose**, orchestrating **OdoO 19** and **PostgreSQL 16** services with automated database initialization and demo data seeding for seamless deployment

- **Accelerated Deployment Speed** – Reduced manual deployment time by **80%**, automating development and production releases with GitHub Actions.
- **Optimized Container Management** – Designed an efficient Docker-based workflow, ensuring seamless **image builds, pushes, and pulls** via GitHub Container Registry (GHCR).
- **Automated Environment-Based Deployments** – Implemented environment-specific deployments, enabling **continuous integration on 'main'** and **tag-based releases for production**, reducing errors.
- **Enhanced Security & Efficiency** – Secured deployments with **SSH authentication** and **automated secrets management**, while optimizing system performance through **automatic orphan container removal and system pruning**, reducing storage overhead by **30%** on Azure VMs and minimizing downtime.

ACHIEVEMENTS

Ruya AI Hackathon (Dubai, Feb 2026) - 1st Place

- **Secured** 1st place at the Ruya AI Hackathon, outperforming teams of working AI engineers, researchers, and startup founders in a build sprint judged by Amazon Web Services (AWS), Antler and ClickHouse.
- **Conceptualized** and prototyped a **self-improving multi-agent** AI system, winning a cash prize of **\$11,800 USD**.

IFZA Scale360 Hackathon (Dubai, June 2025) - 1st Place

- **Awarded 1st place** at the IFZA Scale360 Hackathon, a one-day innovation sprint hosted by IFZA and the University of Birmingham Dubai, **securing** a paid internship offer with IFZA's Strategy Ecosystems team.
- **Pitched** a scalable networking platform aimed at enhancing the post-license experience for thousands of IFZA licensees, balancing product thinking, user needs, and stakeholder alignment.

SKILLS

Programming: Python, Java, C/C++, Typescript, JavaScript, SQL, HTML, CSS

Frameworks: Flask, Django, FastAPI, SpringBoot, Tailwind CSS, React, NextJS

Tools: Jira, Git, POSTMAN, PostgreSQL, MySQL, VS Code, IntelliJ IDEA

DevOps: Linux, Bash Shell Scripting, Ansible, Docker, AWS EC2, GitHub Actions, Terraform, Jenkins

CERTIFICATIONS

- [Atlassian Agile Project Management Professional Certificate](#)
- [Fundamentals of Deep Learning: NVIDIA](#)