Muhammad Siddique

Leiden, Netherlands
Email : siddiquemangi06@gmail.com
Mobile : (+39) 352 0930 231
Github: github.com/siddiqueMangi2003
Linkedin: linkedin.com/in/muhammad-siddique-aaa173252

SUMMARY

MSc Data Science student with a BSc in Computer Science and experience developing backend services, REST APIs, database-backed applications, and AI-powered software products. Skilled in Python, Java, JavaScript, TypeScript, Node.js, FastAPI, SQL, and PostgreSQL, with a strong foundation in object-oriented programming, algorithms, software design, testing, debugging, Git, and Docker. Currently studying at Leiden University as an Erasmus exchange student and available for a part-time hybrid software engineering internship in the Amsterdam area.

EXPERIENCE

Devlogic Lahore, Pakistan / Remote
Software Developer (Intern to Junior) *Aug 2023 – Jan 2025*

- Developed backend services and REST APIs using Node.js, Express, Python, SQL, PostgreSQL, MySQL, and Supabase.
- Built authentication flows, database-backed workflows, API integrations, internal tools, and reusable server-side components for web applications.
- Implemented SQL queries, database operations, input validation, error handling, and improvements to existing application features.
- Contributed to software testing, debugging, issue resolution, Git workflows, release support, and Docker-based deployment practices.

Eötvös Loránd University – Faculty of Informatics Budapest, Hungary
Object-Oriented Programming Instructor *Feb 2025 – Jul 2025*

- Taught Object-Oriented Programming in Java to 16 undergraduate students through weekly practical sessions.
- Covered Java, UML, MVC, layered architecture, REST API concepts, clean code, and reusable software component design.
- Reviewed student projects and helped improve software architecture, code structure, modularity, testing, and API design decisions.

PROJECTS

ResumeTailor – LLM-Powered CV Tailoring Platform

- Built a full-stack AI application using Next.js, TypeScript, FastAPI, and LLM APIs to generate tailored CV content from job descriptions.
- Designed backend workflows for prompt handling, document processing, structured outputs, and frontend-to-backend REST API integration.
- Deployed the system on AWS EC2 using Nginx, Docker, environment configuration, and Git-based workflows.

Heart Attack Risk Prediction System

- Built an end-to-end AI web application using Python, FastAPI, PostgreSQL, React, Next.js, TypeScript, REST APIs, and machine learning models.
- Implemented backend prediction services, database workflows, data validation, automated report generation, and APIs for delivering model results.
- Deployed frontend, backend, and model services using Docker, AWS, Vercel, Render, and CI/CD workflows.

Patient Portal

- Built a healthcare data management backend using FastAPI, Flask, PostgreSQL, Supabase, SQLAlchemy, and REST APIs.
- Implemented authentication, CRUD operations, data validation, structured error handling, modular API routes, and automated API tests.

SKILLS

Programming Languages : Python, Java, JavaScript, TypeScript, SQL, C++, PHP
Backend & APIs : Node.js, Express, FastAPI, Flask, REST APIs, Authentication, API Integration, Data Validation, Error Handling
Databases : PostgreSQL, MySQL, Supabase, SQLAlchemy, Relational Database Design, Database Operations, Data Modelling
Software Engineering : Object-Oriented Programming, Data Structures, Algorithms, MVC, UML, Clean Code, Testing, Debugging, Technical Documentation
Cloud & DevOps : Git, GitHub, GitLab, Docker, AWS, CI/CD, Linux, Nginx, Environment Variables
AI & Data : LLM APIs, Machine Learning, PyTorch, HuggingFace Transformers, Pandas, Scikit-learn

EDUCATION

Leiden University Leiden, Netherlands
Erasmus Exchange Student, MSc-Level Data Science Coursework *Aug 2026 – Present*
Semester exchange focused on advanced data science, artificial intelligence, deep learning, and responsible use of data-driven systems.

University of Padova Padova, Italy
Master of Science in Data Science *2025 – Present*
Current Grade: 27.75/30 Coursework: Software Development, Data Engineering, Databases, Machine Learning, Deep Learning, and NLP.

Eötvös Loránd University (ELTE) Budapest, Hungary
Bachelor of Science in Computer Science *Sep 2022 – 2025*
GPA: 4.62/5.0 — Stipendium Hungaricum Merit Scholarship. Coursework: Object-Oriented Programming, Data Structures, Algorithms, Software Engineering, Databases, Java, and C++.