

SUMMARY

Specialised in practical machine learning, AI, and data-driven applications, with hands-on experience in LLM-powered applications, RAG systems, recommendation engines, time-series forecasting, and on-premises AI platforms. Skilled in Python, PyTorch, Hugging Face, SQL, vector search, and AI application development.

EDUCATION

Master of Science (**MSc**) in **Data Science** · University of Birmingham · Birmingham, United Kingdom · 2023 – 2024 · **Distinction**
Thesis: Development of an Automated Cryptocurrency Trading Bot on Binance Using LSTM Model with Attention Mechanism

Bachelor of Science (**BSc**) in **Physics** · Universitas Syiah Kuala · Banda Aceh, Indonesia · 2016 – 2020 · **Cum Laude**
Thesis: Gravity Data Analysis Using Grav2DC to Investigate Underground Structures of Landslide-Prone Areas in Aceh

WORK EXPERIENCE

Data Annotator · [Outlier AI](#) · Remote · Jun 2026 – Present

Interacted with AI models; reviewed conversations and recordings to assess response naturalness, utility, task success, audio quality, and conversational dynamics; identified error clusters; and documented evaluation rationale.

Management Trainee · [PT Pindad](#) · Bandung, Indonesia · May 2025 – May 2026

- Transformation Management Office* · May 2025 – Feb 2026

Developed an on-premises AI platform; analysed SAP ERP workflows; and supported organisational transformation initiatives, including Performance Management Plan (PMP), Production Management System (PMS), and INDI 4.0 Assessment.

- Satuan Pengawasan Intern* · Mar 2026 – May 2026

Supported internal and external audit activities by coordinating documentation, information requests, schedules, stakeholder communications, and post-audit surveys; and initiated development of an audit dashboard.

Web Development Assistant · [GampongIT.co.id](#) · Remote · Oct 2024 – Present

Reproduced existing web applications and Android application builds; captured application screenshots; and monitored server performance.

Senior Tutor · [Bimbel Khalifah](#) · Banda Aceh, Indonesia · Feb 2018 – Sep 2023

Taught mathematics and physics; developed learning materials; and assessed student performance.

Programming Instructor · [Universitas Syiah Kuala](#) · Banda Aceh, Indonesia · Sep 2017 – Feb 2020

Taught algorithm design and programming using MATLAB and Fortran; and assessed student programming projects.

Tutor · Madaz Foundation · Banda Aceh, Indonesia · Aug 2016 – Jan 2018

Taught mathematics and physics; developed learning materials; and assessed student performance.

KEY PROJECTS

ChatPDF: A Multi-source Multilingual RAG System | Python · RAG · LLM · Vector Search · Streamlit

Designed and developed a production-oriented multilingual RAG system for retrieving and generating grounded answers from multiple document sources. Implemented document ingestion, text extraction and processing, chunking, embeddings, vector search, retrieval, and LLM-based generation, with a Streamlit interface for interactive document-based question answering.

ChatQuran: A Multilingual RAG System | Python · RAG · LLM · Vector Search · Streamlit

Designed and developed a multilingual RAG system focused on Quranic content, retrieving relevant ayahs and generating grounded responses across Arabic, Indonesian, and English. Implemented Quran data preparation, ayah-level retrieval, embeddings, vector search, and LLM-based generation, with a Streamlit interface for interactive Quran-based question answering.

AviosIT Personal Website | Astro · TypeScript · CSS · Cloudflare Workers

Designed and developed a static-first portfolio and knowledge platform with a reusable, content-driven architecture that simplifies adding and maintaining projects and technical content.

TECHNICAL SKILLS

Programming: Python, TypeScript, SQL
AI & ML: PyTorch, scikit-learn, XGBoost, Hugging Face, RAG, LLM applications
Data: Pandas, NumPy, PostgreSQL, FAISS, ChromaDB
Software & APIs: FastAPI, Streamlit, REST APIs
Infrastructure & Delivery: Linux, Docker, Git, GitHub, Cloudflare Workers

CERTIFICATIONS

20 Sep 2024 – 20 Sep 2026 · Alibaba Cloud Certified Associate: Cloud Computing · Alibaba Cloud
08 Apr 2023 – 08 Apr 2025 · IELTS Academic – Band 7.0 · British Council

HONOURS & AWARDS

2023 · LPDP Scholarship Awardee · Indonesian Ministry of Finance
2019 · Bronze Physics Medallist · Indonesian Ministry of Higher Education