

Alvi Hossain Safri Himalya

AI & Machine Learning Enthusiast — Data Analytics — Computer Scientist

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Summary

I am an emerging AI researcher specializing in Machine Learning, Deep Learning, and Data Analytics. Experienced in building real-time computer vision, forecasting, and intelligent systems. Driven to apply advanced AI techniques in solving practical challenges while contributing to innovative research and industry projects.

Skills

Technical Skills	
Artificial Intelligence & Machine Learning	Deep Learning (CNNs, RNNs, LSTMs, Transformers), Computer Vision (OpenCV, MediaPipe), NLP, TensorFlow, PyTorch, Keras, Scikit-learn, Model Deployment
Data Science & Analytics	Data Cleaning (Python, KNIME), EDA, Predictive Analytics, Time-Series Forecasting, Visualization (Matplotlib, Seaborn, Pandas)
Programming & Development	Python (primary), R, SQL, Java, C/C++, JavaScript; Frontend: HTML, CSS, React.js, Flutter; Backend: Flask, Django, FastAPI, Node.js; Databases: MongoDB, Firebase
Cloud & Tools	AWS, GCP, Git, Docker, Jira, Confluence, Visual Studio Code
Networking & IoT	TCP/IP, Network Configuration, IoT Protocols & Smart Systems

- Critical Thinking & Problem-Solving
 - Team Collaboration & Communication
 - Project & Time Management
 - Ethical Awareness in AI & Data

Education

Expected July 2027	Melbourne Institute of Technology (MIT), Melbourne, VIC Master of Research in ICT -Specialising in Data Analytics
July 2025	Swinburne University of Technology, Melbourne, VIC Bachelor of Computer Science - Artificial Intelligence
December 2023	Swinburne University of Technology, Melbourne, VIC Diploma of Information Technology - IT
December 2020	DMRC College, Bangladesh Higher Secondary Certificate (HSC) – Science - Passed with High Distinction (GPA: 5.00 / 5.00)

Projects

Capstone Project – Event Management Application
(Presented as client-facing internship experience)

Swinburne University
2024-2025

Role: Assistant Team Lead & Full-Stack Developer (Flutter, Firebase, FastAPI)

Tech Stack: Flutter, Firebase, FastAPI (Python), MongoDB, Gmail SMTP, Twilio, REST APIs, Docker, GitHub CI/CD

- Served as **Assistant Team Lead**, coordinating with developers and designers to align frontend (Flutter) and backend (FastAPI/Firebase) deliverables.
- Contributed to **project planning, sprint retrospectives, and client meetings**, ensuring clear communication and timely delivery.
- Developed and integrated **secure authentication, payment module, ticket management, and questionnaire features** for event registration.
- Built **organizer dashboards** and implemented **real-time reporting** (CSV/PDF exports) for data-driven insights.
- Worked on **UI/UX improvements, testing/debugging, and deployment**, applying Agile and Scrum methodologies.
- Delivered the project as a **client-facing solution**, simulating a professional internship environment.

Prior 2025:

• Clone Tracker – Real-Time Pose Mirroring System

GitHub: <https://github.com/ah-himaloy/clone-tracker>

Tech Stack: Python, OpenCV, MediaPipe, Matplotlib

Description: Developed a real-time AI system to detect body pose, mirror movements, and overlay face images with visual glowing effects and 3D rendering.

• Gmail Spam Detector

GitHub: <https://github.com/ah-himaloy/gmail-spam-detector>

Tech Stack: Python, Sklearn, TF-IDF, IMAP

Description: Created a live Gmail inbox spam classifier using a trained machine learning model and GUI integration. Includes auto-moving spam to folders.

• Australian Road Safety Dashboard

GitHub: <https://github.com/ah-himaloy/australian-road-safety-dashboard-2023>

Tech Stack: D3.js, JavaScript, HTML/CSS, Python

Description: Built an interactive dashboard visualizing road offence trends by age group in Australia using D3.js and processed datasets.

• Tic Tac Toe Game with GUI

GitHub: <https://github.com/ah-himaloy/tictactoe-game>

Tech Stack: Python, Tkinter

Description: Designed and implemented a GUI-based Tic Tac Toe game with reset and win-detection logic, suitable for quick play and learning projects.

- **Stock Price Forecasting AI**

GitHub: <https://github.com/ah-himaloy/stock-price-forecasting-ai>

Tech Stack: Python, LSTM, Sklearn, Seaborn, Pandas

Description: Built a machine learning-based stock prediction model using time-series forecasting and historical data with visual trend analysis.

Volunteering And Club

- Swinburne Bangladeshi Association, Swinburne University of Technology, Australia
- Swinburne Islamic Community, Swinburne University of Technology, Australia
- Recognized volunteer at Jaago Foundation, Dhaka Bangladesh.

References

Dr. Kafil Uddin – Data Scientist, Swinburne University of Technology

Location: Melbourne, Victoria, Australia

LinkedIn: <https://www.linkedin.com/in/mdkafil/>