

Alvi Hossain Safri Himalya

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

Summary

Motivated and technically skilled AI enthusiast with a strong foundation in computer science, currently pursuing a Master of Research in ICT with a specialization in Data Analytics. Demonstrated ability to apply machine learning, deep learning, and data science techniques through hands-on projects involving real-time computer vision, time-series forecasting, and intelligent systems development. Quick to learn new technologies, adaptive in dynamic environments, and capable of delivering end-to-end technical solutions. Actively seeking an opportunity to contribute to innovative AI projects while expanding real-world experience in a collaborative, impact-driven team.

Skills

Technical Skills	
Programming Languages	Python, Java, C/C#/C++, SQL, R, HTML, CSS, JavaScript
AI & Machine Learning	Supervised & Unsupervised Machine Learning, Deep Learning, Neural Network, Time Series Forecasting (LSTM), PyTorch, TensorFlow, Keras, IoT
Data Analysis & Visualization	Pandas, NumPy, Matplotlib, Seaborn, EDA
Web Development	HTML, CSS, JS, Django, Flask, Node.js, React.js
Tools & Platforms	AWS, GCP, Docker, Git, Jira, Confluence, Visual Studio Code, FastAPI
Networking	TCP/IP, Network Configuration, Network Troubleshooting, IoT Protocols
Soft Skills	
<ul style="list-style-type: none">• Critical Thinking• Team Collaboration• Project Management• Time Management• Focus on attention to detail• Ethical Awareness	

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 - Major in Artificial Intelligence
December 2023	Swinburne University of Technology, Melbourne, VIC Diploma of Information Technology
December 2020	DMRC College, Bangladesh Higher Secondary Certificate (HSC) – Science - Passed with High Distinction (GPA: 5.00 / 5.00)

Projects

Ongoing:

- Registration System with Payment Module, Questionnaires, and Reporting for Mobile Application

Tech Stack: Flutter, FastAPI (Python), Gmail SMTP, Twilio, REST APIs

Role: Full-Stack Developer (Client-facing)

I've Worked with a client to provide an extensive app for scheduling events that allows people to sign up, pay securely, and get booking confirmations.

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

- 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

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