

Alvi Hossain Safri Himalya

Software & Web Developer — Full Stack | Mobile Apps | Cloud Solutions

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Summary

Full-Stack Developer and IT professional with hands-on experience in web, mobile, and backend development. Skilled in building scalable applications using Flutter, React.js, Node.js, Django, and Firebase, with strong knowledge of databases, cloud services (AWS, GCP), and DevOps tools (Docker, GitHub CI/CD). Experienced in team leadership, client-facing projects, and delivering end-to-end solutions. Bringing additional expertise in AI and data analytics as a complementary strength.

Skills

Technical Skills	
Web & App Development	Frontend: Flutter, React.js, HTML, CSS, JavaScript • Backend: Node.js, Flask, Django, FastAPI • Databases: MongoDB, Firebase, SQL
Software Development	Python (primary), R, Java, C/C++, OOP, API Development & Integration
Cloud & DevOps	AWS, GCP, Docker, GitHub CI/CD, REST APIs, Git, Jira, Confluence, VS Code
Data & Analytics	Data Cleaning (Python, KNIME), Visualization (Matplotlib, Seaborn, Pandas), Reporting Tools
Networking & IT	TCP/IP, Network Configuration, IoT Protocols

- 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:

- **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.

- **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.

- **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/>