

GORANSH DUA

Melbourne, Australia | +61 0403877150 | goransh2301@gmail.com
GitHub: goranssh | Entry-Level Software Engineer / AI-Focused Developer

PROFESSIONAL SUMMARY

Final-year Software Engineering (Honours) student with hands-on experience in AI automation, backend engineering, agentic workflows, and cloud-based IoT solutions. Built GenAI-oriented applications using Python, FastAPI, React, LangChain, and Azure, with practical exposure to LLM-powered workflows and AI-driven application design. Internship experience delivering production-ready automation solutions across APIs and real-time processing pipelines. Seeking entry-level roles in software engineering, AI engineering, or GenAI-focused development.

TECHNICAL SKILLS

Programming & Frameworks: Python, JavaScript, SQL, FastAPI, React, Node.js

AI, GenAI & Cloud: Generative AI workflows, LLM application development, LangChain, Machine Learning, Data Analysis, Azure, Azure DPS, Git, n8n

PROFESSIONAL EXPERIENCE

AI Automation Engineer Intern | Code Brew Labs | *Nov 2025 – Apr 2026*

- Developed production-grade AI automation workflows by integrating n8n, CRM platforms, and AI voice tools to improve lead management, workflow efficiency, and intelligent task handling.
- Designed webhook-driven backend pipelines to support real-time event processing, API integrations, and reliable automation across distributed systems.

AI & SOFTWARE PROJECTS

Agentic AI Intrusion Detection System | *IoT · Multi-Agent · Python*

- Designed and evaluated a distributed Agentic AI IDS for IoT environments achieving 98.9% accuracy and 2.6ms latency; integrated edge computing, lightweight neural networks (CICIDS2017 & Bot-IoT datasets), and autonomous multi-agent coordination with lightweight alert-sharing to eliminate centralized bottlenecks.
- Conducted ablation study and comparative analysis against Traditional AI IDS, Edge AI, and Federated Learning baselines; proposed architecture achieved superior balance of accuracy, scalability, and adaptability validated on real-world cybersecurity datasets.
- Developed a secure attendance tracking solution with authentication and workflow automation demonstrating full-stack development capabilities.

Agentic AI Chatbot | *React · FastAPI · LLM*

Smart Attendance System | *Authentication · Automation*

Azure IoT Telemetry Pipeline | *Azure DPS · IoT · Cloud*

- Implemented secure Azure IoT device provisioning and telemetry ingestion pipelines, strengthening experience in cloud engineering and real-time data processing.

EDUCATION

Bachelor of Software Engineering (Honours) | Deakin University, Melbourne | *Expected June 2026*

CERTIFICATIONS

Microsoft Azure AI Fundamentals (AI-900)