

ABHINAV SHARMA

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Profile Info

Bachelor of Software Engineering (Honours) student at Deakin University with hands-on experience in full-stack development, embedded systems, and AI/ML. Skilled in building secure, scalable applications and working across diverse technologies from web platforms to distributed and embedded systems. Passionate about applying intelligent software and AI solutions to solve real-world problems.

EDUCATION

2026

Deakin University

- Bachelors in Software Engineering (Honours)
- Current WAM: 79 (Distinction)

2022

New Public school

- Higher Secondary Education
- Percentage: 80%

Skills

- **Programming:** Python, C++, C#, .NET Framework
- **Web Development:** ReactJS, Javascript, Firebase, Stripe, REST APIs
- **Embedded & Distributed Systems:** Arduino, Raspberry Pi, LoRaWAN
- **Tools & Methodologies:** Git/GitHub, Agile, Linux, Test-driven development
- **Specialized Areas:** Secure system design, AI/ML foundations, scalable architectures

Professional Summary

DataBytes - DiscountMate(Capstone) | Web Development Team Lead

April 2025 - Ongoing

- Led a 5-member development team, delivering key frontend features such as the product dashboard, forecast/comparison page, and in-app notifications, which improved user efficiency by 25%.
- Mentored 3 junior developers and created onboarding resources, reducing training time by 40% and standardizing coding practices across the team.
- Strengthened frontend-backend integration, cutting API response times by 30% while ensuring real-time accuracy for 10k+ product prices.

Projects

Smart LoRaWAN helmet for Coal Mine Workers - Developer

Aug 2024 - Sep 2024

- Built an IoT-based helmet to monitor biometrics and environmental hazards for coal mine workers.
- Implemented LoRaWAN communication and full-stack admin portal.
- Improved worker safety by enabling real-time alerts.

DevDeakin Website

Aug 2023 - Sep 2023

- Developed a website for university with features including authorization on different levels, news feed, posts, articles utilizing multiple technologies - ReactJS (Customized GUI design), Firebase (Backend), and Stripe (Payment).

Patrolling and Surveillance Robot for sensitive areas

May 2023 - Jun 2023

- Introduced capability to detect land mines, automatic path following, and live feed for the robot along with manual and remote control.