

Oliver Dubois

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PROFESSIONAL SUMMARY

Software Engineering (Honours) graduate from UTS (February 2026). Full-stack developer with experience building production applications using Python, React, and AI/ML integration. Recently completed a software engineering internship with Optik Consultancy. Available immediately.

EXPERIENCE

Software Engineer – Optik Consultancy

November 2025 – February 2026

- Built InnerSystems.ai, an AI-powered team health platform MVP for a client seeking Series A funding
- Developed full-stack features using React (TypeScript), Python (FastAPI), and Supabase with real-time analytics and automated coaching workflows
- Designed secure API endpoints and PostgreSQL database schemas for sensitive team performance data
- Integrated Llama-70b and BERT for generating personalised team insights and coaching recommendations

Forklift Coach & Process Officer – Bunnings Warehouse, Caringbah

2022 – Present

- Managed safety training and operations for a high-volume retail site with 100+ staff, achieving 100% certification compliance
- Coordinated cross-functional teams on scheduling, inventory reporting, and supplier communications

EDUCATION

Bachelor of Engineering (Honours) in Software Engineering

University of Technology Sydney | 2021 - 2026

TECHNICAL SKILLS

- **Languages:** Python, TypeScript/JavaScript, SQL, HTML/CSS
- **Frontend:** React, Next.js, Tailwind CSS
- **Backend:** FastAPI, Node.js, Express, Flask, REST APIs
- **Databases:** PostgreSQL, Supabase, MySQL
- **AI/ML:** OpenAI API, DistilBERT, NLP, RAG Pipelines
- **Tools & Platforms:** Git/GitHub, Docker, AWS (EC2/S3), Vercel, Jira/Confluence

PROJECTS

Auslan Sign Language Retrieval System (Capstone Project - High Distinction):

- Built an NLP text-to-sign system using DistilBERT and multi-strategy matching, achieving 96% precision across 40+ Auslan signs

Personalised Fitness & Nutrition Tracker (Team Project):

- Created a full-stack web app with React frontend, Node.js backend, and PostgreSQL database with RPG-style reward system using Agile workflows

JurisTechne Legal Research Platform (UTS Startups Collaboration):

- Collaborated with stakeholders to translate business requirements into technical specifications and design deliverables