Joonghyuk Seong

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Education

University of Technology Sydney (UTS)   **Feb 2019 – Nov 2024**
Bachelor of Science in Information Technology: Enterprise Systems Development
GPA: 6.38/7.00 | WAM: 84.12/100
Dean's List (2022, 2025)

Technical Skills

Programming Languages: Python, JavaScript, C++, Java, C#, C
Web Technologies: HTML, CSS, SQL, PHP
Frameworks & Libraries: Django, FastAPI, React, Next.js, Node.js, aiohttp, OpenCV, YOLOv11
Cloud & Deployment: AWS (EC2, Elastic Beanstalk), Vercel, Railway
Databases: PostgreSQL, MongoDB, MySQL
Development Tools: Git, Jira, Confluence

Projects

JobMatch - AI Resume Analyser | Personal Project   **Mid 2025**
- Built a full-stack web application that matches job seekers with relevant positions using AI-powered resume and job description analysis.
- Technologies used: Next.js, React, FastAPI, PostgreSQL, OpenAI API, Vercel, Railway

AI-Powered Product Recommendation System | Personal Project   **Mid 2023 - Mid 2025**
- Created an automated system that scrapes product recommendation requests from online forums, analyses them using AI to generate personalised recommendations, and converts them into affiliate marketing links for monetised automated responses.
- Technologies used: Python, aiohttp, lxml, Gemini

Vehicle Licence Plate Detection System | Team Project   **Late 2024**
Image Processing and Pattern Recognition - UTS 41256
- Trained and implemented a YOLOv11-based model for licence plate detection, achieving 81.2% mAP50 and 84.1% precision through sophisticated optimisation techniques that ensure robust performance across various lighting conditions.
- Technologies used: Python, OpenCV, YOLOv11, PyTorch

EWB Electricity Metres | Team Project   **Late 2024**
Software Development Studio - Engineers Without Borders
- Developed backend features for electricity monitoring solution with EWB while implementing comprehensive unit testing that achieved 92.3% function coverage using agile methodologies.
- Technologies used: MongoDB, Node.js, Express.js, React, Jest

Certifications

Linux Master Level 2   **Sep 2018**