Joonghyuk Seong

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Projects

JobMatch - AI Resume Analyser
Personal Project | Mid 2025
- Developed a full-stack SaaS application that analyses the compatibility between resumes and job postings using AI
- Python, FastAPI, Next.js, TypeScript, Gemini API

AI-Powered Product Recommendation System
Personal Project | Mid 2023 - Mid 2025
- Scraped product recommendation requests from Korean online communities and provided AI-generated product recommendations with affiliate links through blog posts and comments
- Generated KRW 160M in sales and KRW 3.6M in revenue through Coupang Partners, and USD 2,500 in revenue through AliExpress Affiliate
- Python, aiohttp, lxml, Gemini API, Mongo DB

Vehicle Licence Plate Detection System
Team Project | Late 2024
- 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.
- Python, OpenCV, YOLOv11, PyTorch

EWB Electricity Metres
Team Project | Late 2024
- Developed backend features for electricity monitoring solution with EWB while implementing comprehensive unit testing that achieved 92.3% function coverage using agile methodologies.
- MongoDB, Express.js, React, Node.js, Jest

Experience

Pre-Uni New College
Director's Assistant | Mar 2025 – Current
- Supervising 14 staff members in Vietnam and 10 staff members in India
- Improving the process of reviewing and creating exam materials for students taking Selective School and Opportunity Class entrance tests

Education

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

Skills

Python
Node.js
FastAPI
React
Next.js
JavaScript/TypeScript
MongoDB
Django
HTML
CSS
PHP
C++
C#
C
PostgreSQL
MySQL
Git
Jira
Confluence
AWS
EC2
Elastic Beanstalk

Certifications

Linux Master Level 2