

# Joonghyuk Seong

+61 425 408 901 | sjh001111@gmail.com | <https://github.com/sjh001111>

## Education

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<b>University of Technology Sydney (UTS)</b>	<b>Feb 2019 – Nov 2024</b>
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

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Programming Languages: Python (Primary), C++, C#, C, Java, JavaScript  
Web Technologies: HTML, CSS, PHP, SQL  
Frameworks & Libraries: Django, React, Node.js, Express, aiohttp, OpenCV, YOLOv11  
Cloud & Services: AWS (EC2, Elastic Beanstalk), Salesforce  
Databases: PostgreSQL, MongoDB, MySQL  
Collaboration Tools: Git, Jira, Confluence

## Projects

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<b>AI-Powered Product Recommendation System   Personal Project</b>	<b>Mid 2023 - Mid 2025</b>
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- 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

<b>Vehicle Licence Plate Detection System   Team Project</b>	<b>Late 2024</b>
<b>Image Processing and Pattern Recognition - UTS 41256</b>	

- 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

<b>EWB Electricity Metres   Team Project</b>	<b>Late 2024</b>
<b>Software Development Studio - Engineers Without Borders</b>	

- 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

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<b>Linux Master Level 2</b>	<b>Sep 2018</b>
<b>Craftsman Information Processing</b>	<b>Oct 2018</b>
<b>Computer Specialist in Spreadsheet &amp; Database Level 2</b>	<b>Jul 2018</b>

## Technical Training

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<b>ICT Security Professional Programme</b>	<b>Mar 2018 – Jan 2019</b>
Doodream Vocational Training Institute	
<b>Advanced Programming in C</b>	<b>Mar 2017 – Jun 2017</b>
KAIST Online Education Programme	
<b>Web Development Foundation</b>	<b>Apr 2016 – Dec 2016</b>
TmaxSoft IT Education Programme	