

# Mohammed Omer

+61 481680043 | mohammed\_omer@yahoo.com | [linkedin.com/in/mohammed-omer/](https://www.linkedin.com/in/mohammed-omer/)

## EDUCATION

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### Monash University

*Bachelor of Computer Science, Data Science Specialisation*

Melbourne, Australia

*Grad: June 2026*

### British School Al Khubairat

*A-Levels: A\*A\*A\*A – UAE Golden Visa for Academic Excellence*

*June 2022*

## WORK EXPERIENCE

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### EY

*Platforms Intern*

Melbourne, Australia

*July 2025 – Dec 2025*

- Configured core components of **Dynamics 365 Finance**, an ERP platform projected to support 5M+ users.
- Optimized testing processes with **SQL**, reducing manual work from **4 hours to 15 minutes** and documented results in **Azure DevOps**.
- Automated technical requirements documentation with **CoPilot Studio** to reduce workload from **8 to 3 hours**.

### Monash University

*Computer Vision Research Assistant – Scholarship Recipient (A\$4.5K)*

Melbourne, Australia

*Dec 2025 – March 2026*

- Developed and stress-tested a real-time person re-identification system that fuses face and body embeddings for consistent multi-object tracking across video frames, implemented with **PyTorch**, **YOLOv8**, **DeepSORT**, and **CLIP-ReID**.
- Applied the **Hungarian algorithm** for assignment optimisation to perform robust detection-to-track data association

## LEADERSHIP & COMMUNITY

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### Monash Data Science and AI Society

*Data Insights Lead ← Data Insights Officer*

Melbourne, Australia

*June 2024 – June 2025*

- Organized **6** technical workshops (**50+** attendees each) and delivered a Datathon with **250+** participants.
- Scaled the team from **15** to **45** members through recruiting and onboarding.
- Led an inter-university Datathon across **5** universities and delivered an “Intro to Data Cleaning in Pandas” workshop to **150+** students.

### Monash Deep Neuron

*Technical Member (Deep Learning)*

Melbourne, Australia

*April 2024 – Present*

- Reviewed state-of-the-art brain tumor segmentation methods and summarized key findings from recent literature.
- Implemented and trained **CNN** architectures from research papers in **PyTorch** from scratch.

### Stanford University

*Section Leader*

Remote

*April 2025 – June 2025*

- Selected as a section leader from 4,000+ applicants for Stanford’s Code in Place program.
- Tutored **12** university-level students through Python fundamentals
- Achieved a student satisfaction rating of 4.6/5

### Ravi’s Study Program

*Student*

Remote

*Nov 2025 – Feb 2025*

- Participated in an intensive **Data Structures & Algorithms** course led by volunteers in **HFT firms**.
- **Top-10 finish (out of 100)** in the Adelaide University Competitive Programming League in my first contest.

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, R, SQL, Kotlin

**Libraries:** Pandas, Numpy, Scikit-learn, Seaborn, PyTorch, Fpp3

**Other:** Dynamics 365 Finance, Copilot Studio