

# MANINDRA DE MEL

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## Website, Portfolio, Profiles

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- Freelance website [<https://ourtutor.com.au/>]
- Github profile [<https://github.com/ManindraDeMel>]
- PyconAU presentation [<https://shorturl.at/cszY8>]

## Education

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**Bachelor Of Advanced Computing : Computer Science** Expected in 12/2025  
**Australia National University - ACT**

**Senior Secondary Certificate** 12/2021  
**Burgmann Anglican School - Canberra, ACT**

**Senior Secondary Certificate** 09/2021  
**Australian National University - Canberra, ACT**

- Completed the ANU Extension Astrophysics course

## Professional Summary

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Detail-focused, hard-working and motivated high-school leaver, with a number of years in the field of computer science and data science. Offers a series of skills including: team-building, a sense of determination and responsibility, identifying and resolving problems and improving processes. Other important skills include a proven history of reliability, a fast-learner, adaptable and an enthusiasm to further develop newly acquired or current skills.

## Accomplishments

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- Australian National Python Convention (PyCon AU) Presenter (2021)
- Young ICT Explorers Presenter (Regional Winner) (2021)
- Australian Informatics Olympiad (credit) (2019 - 2021)
- Runners up for Code Quest (Lockheed Martin) (2021)
- School based competitive badminton (2019)
- Club based competitive badminton (2019 - 2021) (Runners up and winner)
- Google Code-in (2019 - 2020)
- Computer Algorithmic Thinking (credit) (2018 - 2021)

- IMC^2 math challenge (credit) (2020)
- Australian mathematics challenge (credit, high distinction)(2018 - 2019)
- ACT year 10 math day competitor (2019)
- Govhack competitor (2021)
- Oxford University Computing Challenge competitor (2021)

## Skills

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| <ul style="list-style-type: none"> <li>• ICT Technical Support</li> <li>• Video Game development</li> <li>• Full stack web development</li> <li>• Data analysis &amp; Simulation creation in Astrophysics</li> <li>• Web Scraping in order to find trends in or filter through complex data</li> <li>• Natural Language Processing utilized with Deep Learning.</li> <li>• Developing multiple types of Artificial Neural Networks (RNNs, CNNs, LSTMs, NEAT)</li> <li>• Proficient in Functional, Procedural, Logic and Object-Oriented programming paradigms</li> </ul> | <ul style="list-style-type: none"> <li>• Analyzing time-complexity to optimize computational algorithms</li> <li>• Utilizing programming and computer science to solve Mathematical problems</li> <li>• AWS</li> <li>• Continuous Integration Software</li> <li>• Application Programming Interface (API)</li> <li>• Wireframing and Mockup Design</li> <li>• Databases: Oracle, SQL Server, MongoDB, AWS RDS, AWS Dynamo</li> </ul> |
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## Work History

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### Stomble

11/2022 - 05/2023

#### Backend Engineer – Australia

- Maintained energy and enthusiasm in fast-paced environment.
- Developed back-end components to connect applications with web services.
- Performed advanced engineering in configuration, management and deployment of AWS cloud environments.
- Oriented newly hired employees by providing company information, facilitating onboarding processes and establishing position-related requirements.
- Wrote unit tests to evaluate high code coverage.
- Explained technical trade-offs of different approaches to stakeholders and estimated development time required.

### Data Analyst, Software Developer

06/2021 - 11/2021

#### Quintet Automotive – Canberra, ACT

- Designed and developed schema data models.
- Evaluated trends to understand competitive environments and assess current strategies.

- Participated in requirements meetings and data mapping sessions to understand business needs.
- Built library of models and reusable knowledge-base assets to produce consistent and streamlined business intelligence results.

## **Trainee**

04/2019 - 04/2019

### **Academy Of Interactive Entertainment – Canberra, ACT**

- Attended training courses to build an understanding of processes, techniques and industry.
- Learned new materials, processes and programs quickly.
- Maintained high levels of efficiency during training by taking detailed notes and asking questions.
- Shadowed senior team members to learn all related jobs.

## **Hobbies**

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- Building Computers
- Programming software, websites and machine learning
- Researching mathematical concepts related to computer science
- Video Games
- Badminton
- Mechanics & Working on my vehicle