

Ali Ashrafy

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Overview

Hi! I'm Ali, a 1st Year medical student at UNSW. Outside of my studies, I enjoy programming and robotics, and also regularly play tennis and table tennis. I love new experiences and treat challenges as stepping stones to success.

Education

University of New South Wales *Feb 2025 – Dec 2030*

Bachelor of Medical Studies/Doctor of Medicine

- WAM: 87.45 (High Distinction)

St Columba Anglican School

Class of 2024

Higher School Certificate (HSC)

- ATAR: 99.45
- Subjects: Mathematics Extension 1 and 2 (96), Physics (95), Chemistry (98), English Advanced (88), Software Design and Development (90, accelerated)

Experience

Academic Tutor

Sydney, NSW

Accel Academy [🔗](#)

Feb 2025 - Present

- Provided one-on-one and small group tutoring to HSC students, focusing on effective study strategies, exam preparation, and subject-specific support in Maths, Physics, and Chemistry, resulting in improved academic performance and confidence.

Team Captain, Lead Programmer

Port Macquarie, NSW

Iona Fusion Robotics Team

Jan 2021 – Dec 2024

- Led our team to 2nd place out of over 50 teams in 2023 in Asia-Pacific FIRST Robotics Competition Championships in Wollongong. Industry-level work with advanced C++ OOP and computer vision, including work with 3D robot localisation and auto-targeting using OpenCV and custom algorithms.

IT Subcommittee

Sydney, NSW

UNSW Medical Society [🔗](#)

Mar 2025 - Present

- Supported website maintenance, event registration systems, and digital infrastructure to streamline MedSoc operations and improve user experience.

Projects

The Mathematical Analysis of Random Walk Systems

Paper [🔗](#)

- Developed a paper analysing random walk systems using Markov Chains and Monte Carlo simulations.
- Nominated for the University of Melbourne Mathematics and Statistics Research Competition.