

Abhi Naglapura

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Career Profile

Technical Skills

Languages: C, C++, Java, Python, G-Code, HTML, MATLAB

CAD: Solidworks, Fusion 360, AutoCAD, OnShape, SolidWorks, Altium Designer

Manufacturing: FDM 3D-Printing, Manual Lathe, Manual Mill, Laser Cutter, CNC Mill, Soldering

Dev Tools: Visual Studio Code, PlatformIO, Arduino IDE, Git, Intel Quartus Prime Lite, STM32CubeIDE

Education

Bachelor of Engineering (Honours)

University of Technology Sydney (UTS)

- Major in Mechatronics with a WAM of 70 and GPA of 5.0

Jan 2024 – Dec 2027

(expected)

NSW Higher School Certificate

The Ponds High School

- First in HSC Engineering Studies with an 87% average

Jan 2018 – Dec 2023

Professional Experience

Launch Officer

UTS Rocketry

- In charge of co-ordinating launches with team lead at Whalen
- Ensured smooth operation and execution of launches on-site

Jan 2025 – present

Squadron Supply Officer

320 SQN - AAFC

- Organised uniform orders for 50+ cadets
- Worked with staff and HQ to replace supply and place orders

Nov 2024 – present

Employment

Private Tutor

Alchemy Tuition

- Crafted instructional activities with attainable goals, empowering students in learning specific academic skills while increasing testing scores by more than 20% on average

Dec 2023 – present

Extracurricular Involvement

Civilian Staff

320 SQN - AAFC

- Leading and mentoring cadets in various capacities, including aviation, teamwork, and discipline.
- Organized and conducted training sessions to develop leadership skills in young cadets.

Mar 2024 – present

References

Available upon request