

NIRUKT AGRAWAL

Engineering Student

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EDUCATION

UNIVERSITY OF BATH

M.ENG. (AEROSPACE) - 2025-2029

AYLESBURY GRAMMAR

MATHS (A*), PHYSICS (A*), COMPUTER SCIENCE (A*), FURTHER MATHS (A)

PROJECTS

Coded a fluid solver in Python

- Enhanced my understanding of aerodynamics and wind-tunnels, while improving coding skills.

CAD and Drawing Exercises

- Significantly improved my CAD and drawing skills to accurately represent mechanical parts.

Wireless Speaker

- Using salvaged parts taught me the basics of electronics, amplification, DAC and ADC.

AWARDS

- Arkwright engineering scholarship sponsored by Virgin Atlantic – 2023-2025
- Bucks Young Enterprise winner for area finals competition 2024
- The Foundation Governor's Prize for Outstanding A-Level results – 2025
- Homerton College Design Challenge Runner Up for Best Research

ABOUT ME

I am a highly motivated engineering student seeking an engineering internship position to develop my skills in project management/delivery, research, and technical proficiency. Eager to contribute to the team and gain hands-on experience in a real-world engineering environment.

WORK EXPERIENCE

VIRGIN ATLANTIC UK OPERATIONS

CRAWLEY HQ AND HEATHROW HANGAR

- Learnt how aeroplanes are continuously recycled, through repair, overhaul and modifications of components to prolong their life.
- Grasped the criticality of well documented robust and holistic operating procedures to support maintenance and risk management programmes.

FREEFORM TECHNOLOGIES

MANUFACTURER OF COMPOSITE PARTS FOR F1

- Explored the processes involved in high tolerance machining using CAD and CNC for an assortment of composites.

BUCKS YOUNG ENTERPRISE

MANAGING DIRECTOR AT WILD CARDS

- Leveraged strong interpersonal skills to engage with customers, product development, marketing and operations.
- Developed entrepreneurship skills while managing business various functions – Business Development & Sales, Marketing & Research, Production & Delivery and Finance.

RAF CRANWELL RESIDENTIAL

- Learnt about dynamic challenges in maintenance and operations of military jets.