

Pranjal Tapase

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[Pranjal Tapase - LinkedIn Profile](#)

[Portfolio Website](#)

SUMMARY

I am an A-Level student with a strong interest in engineering and complex transport systems, seeking a Degree Apprenticeship to apply and develop my technical skills. Studying Maths and Physics has strengthened my analytical thinking and structured problem-solving ability, which I have further developed through hands-on projects and the STEM SMART programme at the University of Cambridge. I am motivated to apply my skills within a practical engineering environment, contributing to large-scale infrastructure projects while continuing to learn from experienced professionals.

EXPERIENCE

British Airways, Airport Operations Insight Day – Student

London Heathrow Airport, London

12/2025 – 12/2025 [On-site]

- Observed landside airport operations at London Heathrow Terminal 5.
- Developed understanding of how large-scale aviation operations support efficiency and safety.

Flight School Work Experience, Student

Leading Edge Aviation, Oxford

07/2025 – 07/2025 [On-site]

- Gained first-hand experience in multiple areas within the flight school, including Flight Operations, Customer Experience, Marketing, and Ground School.
- Spent two days in Flight Operations assisting with refuelling aircrafts, tugging, and conducting simple pre-flight checks, gaining knowledge into real-world airport operations regulatory requirements for aircraft readiness.
- Shadowed the Skills Assessment process for future trainee pilots, learning about the selection standards used in pilot recruitment.
- Developed transferable skills such as teamwork, communication and organisation within a professional aviation environment.

NOVUS Flight Simulator, Tester

Peterborough, Cambridgeshire

06/2024 – Current [Remote]

- Tested and identified bugs, enhancing gameplay experience for users.
- Reported bug descriptions and steps to reproduce the issue to developers.
- Provided feedback on user interface and flight physics, improving functionality and player engagement.

Diligenta, TCS – ITIL Intern

Peterborough, Cambridgeshire

02/2023 – 02/2023 [On-site]

- Gained insight on process and workflows.
- Shadowed daily activities of office staff to gain understanding of what work is being done.

VOLUNTEER EXPERIENCE

Volunteer, Woodston Library

Peterborough, Cambridge

02/2023 – 04/2023 [On-site]

- Assisted with library operations, including book cataloguing, organisation, and helping visitors. This was part of Duke of Edinburgh (DofE) Bronze Award volunteering section.

HOBBIES AND INTERESTS

I enjoy activities that challenge my problem-solving and strategic thinking, particularly strategy-based games and simulators that strengthen my decision-making in realistic scenarios. I have a strong interest in cars, trains and aviation, driven by my fascination with engineering, mechanics, and the application of maths and physics to real-world systems. I also enjoy testing games to identify bugs and improve user experience, as it allows me to combine analytical thinking with attention to detail.

SKILLS

- 3D CAD (Space Claim, Blender)
- Quality Assurance
- Calm under pressure
- Time management
- Teamwork
- Creativity and Innovation
- Problem Solving
- Microsoft Office
- Web Development
- Multitasking

EDUCATION

10/2021 – Present

Spalding Grammar School

Spalding, Lincolnshire

A-Levels: Mathematics, Physics, Economics, and Engineering. Predicted: AAB and Distinction*.

GCSE: 11 GCSEs including Mathematics (8), Further Mathematics (7), Biology (6), Chemistry (6), Physics (6), English (5).

09/2019 – 10/2021

Nene Park Academy

Peterborough, Cambridgeshire

CERTIFICATIONS

- STEM Smart Gold Certificate (University of Cambridge) [STEM Smart Certificate](#)
- Bronze Duke of Edinburgh's Award. [Bronze DofE Certificate](#)
- Airport Operations Insight Day (British Airways) [Airport Operations Certificate](#)
- Data Science Job Simulation (British Airways) [BA Job Simulation Certificate](#)
- Your Flying Future Workshop (British Airways) [Your Flying Future Certificate](#)
- Aerospace Work Experience (Airbus - Virtual) [Airbus Aerospace Certificate](#)
- Introduction to Engineering (OpenLearn MOOC) [Statement of Participation](#)

PROJECTS

Smoke Alarm and Obstacle Avoidance Car

- Built an obstacle-avoidance car and a smoke alarm by following an online course. Used programming, sensor integration, and circuit design skills to create working models, showing a good grasp of electronics and automation.

Jar Lid Opener (GCSE Engineering NEA Project)

- Designed and constructed a Jar Lid Opener for my GCSE Engineering Project. I conducted research, created CAD designs, and presented findings, in detail, on a presentation. Built a working prototype displaying skills in engineering and design.

British Airways Data Science Virtual Experience (Forage)

- Completed a virtual job simulation focused on real life data. Analysed airline data to identify trends, optimize operations, and support business decision-making. Presented all my findings on PowerPoint.

CAREER GOALS

Looking to pursue a career in engineering within large-scale transport systems, applying my interest in complex mechanical and digital systems to real-world infrastructure projects.

LANGUAGES

English: First Language

Marathi: Intermediate | B1

Spanish: Elementary | A2

Hindi: Elementary | A2