Shresth Shrivastava

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# EDUCATION

**Imperial College London *Sept 2024 – Sept 2025***

### MSc Computing

* Accepted into a highly competitive program focused on software engineering, data science and advanced computing principles
* Coursework will cover areas such as algorithms, machine learning, databases and software development
* Prepared for the program by doing a side project linking Google Calendar with ChatGPT and by learning fundamentals of C++ and Linux based software

**University of Manchester *Sept 2018- July 2023***

### MEng Aerospace Engineering with Industrial Exp

* Graduated with **First Class** (Hons), ranked **2nd** in Bachelors year
* Final year project: Developed a regression ML model to predict steady state fluid flow across Aerodynamic bodies using Python and MATLAB, achieving a high accuracy rate and improving predictive capabilities in aerodynamics

**Harrow International School, Bangkok *Sept 2012- July 2018***

### A-Levels

### Mathematics: A; Computer Science: A; Physics: B

### IGCSE

### Mathematics: A\*; Physics: A\*; Chemistry: A\*; Biology: A\*; Geography: A\*; Business Studies: A\*; English Literature: A; English Language: A

# WORK EXPERIENCE

**Stars Edge *Oct 2023 - Sept 2024***

#### Business Development Lead

* Conducted comprehensive market research to identify potential clients, competitors, and emerging trends in the space propulsion industry
* Generated leads through networking, industry events and cold calling, converting into sales opportunities through effective communication and negotiation skills.
* Built and maintained relationships with investors, stakeholders and academics fostering collaboration and ensuring strategic engagement at all levels.
* Created compelling proposals, presentations, and pitch decks to showcase the company’s products and services

to potential clients raising nearly £10,500 in the first investment grant round contributing to company’s growth.

**BAE Systems *July 2021 - June 2022***

#### Through Life Support Engineer

* Expanded and constructed the necessary framework of skills for incoming Through Life Support Engineers

#### Data scientist

* Improved and accelerated the efficiency of Electromagnetic testing procedures on an aircraft using a regression ML model (88% accuracy)
* Interacted with internal customers and stakeholders presenting the results along with the cost saving benefit of using ML to predict test data instead of purchasing expensive testing equipment.

#### Flight Systems Integration Engineer

* Coordinated and managed clearance documents alongside system engineers while working in the General Systems Integration team for the Eurofighter Team
* Directed and guided team members in the utilization of the DOORS software for requirements management

#### BAE Azalea Stretch Assignment Machine Learning Engineer

* Implemented supervised machine learning (ML) to analyse the satellite images and classify cargo ships, for a stretch assignment project achieving an astounding accuracy of 95%.
* Presented project findings, and the market opportunities of the project to organisational executives, which eventually resulted in the project being funded and expanded.

# SKILLS

* **Programming Languages:** Python, C++, HTML, CSS, JavaScript
* **Frameworks & Libraries:** PyTorch, TensorFlow
* **Tools & Software:** MATLAB, Simulink, LabVIEW, DOORS, Jira