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# PROFILE

Robotics Engineering student about to graduate from the University of Essex with experience in computer vision and robotics and adept in multiple programming languages. Results-driven problem solver with excellent organisational, planning and communication skills, looking for a challenging position with the opportunity to work with a team and take on high levels of responsibility.

# SUMMARY OF SKILLS

* Proficient in Java, C, C++, and Python.
* Experience with AI, Computer Vision and Machine Learning.
* Experience with Web Design (HTML, CSS, JavaScript)
* Proficient with MATLAB and Simulink.
* Experience working with Agile methodology and Scrum (Jira).
* Experience with Git.
* Proficient in English, Urdu, and Hindi, with basic Arabic and Japanese.

# EDUCATION

**University of Essex, BEng Robotics (Dean’s list 2019-2021) – Expected 1st Class Hons.** **Sept 2019 – July 2022**

Relevant modules include:

* Capstone Project: Building an app to allow dynamic target tracking using the DJI Tello drone. Uses Computer Vision, Machine Learning and SLAM techniques to allow autonomous target-following behaviour.
* 2nd Year Team Project: Worked with a team to design a complete hardware and software system for team sanitation management with a client company. Designed a PC app in Java to display sensor data from cloud.
* 1st Year Team Project: Worked with a team to design an eye-testing application using the Aldebaran Pepper robot.
* Computer Vision: Object recognition, target tracking, statistical shape models and computer vision system evaluation.
* Robotics: Explored the use of ROS and C++ in conjunction with TurtleBot 3.

**Eastern Public School, IB Diploma Programme and CIE A levels** **June 2016 – June 2018**

# EXPERIENCE AND AWARDS

**Hospitality Industry (Heavenly Desserts)** **September 2021 – October 2021**

Gained valuable experience catering to customers and as part of a team in the hospitality industry.

**Eastern Public School, Student Council President** **July 2016 – July 2017**

Acted as student and school representative. Lead a team of student leaders to organise school events and spearhead student welfare initiatives.

**Eastern Public School, Project Infaq** **July 2016 – July 2017**

Participated in the provision of food packages to 600+ impoverished households in the month of Ramadan.

**Bhopal, Physics and Mathematics Tutor** **2018**

Gained valuable experience in note-taking and presentation by tutoring school juniors in Physics and Mathematics.

**Eastern Public School, Yearbook Editor-in-Chief** **July 2016 – Sept 2018**

Assumed editorial role in the production of the school’s annual student publication to eliminate avoidable errors and maximise the quality of submissions and articles published.

**Indian International Model United Nations, Delegate and Press** **June 2016 – June 2018**

Attended 3 Model United Nations conferences as both a delegate and a reporter. Gained valuable debating and researching skills as a delegate and note-taking and article-writing experience as a reporter.

**Billabong High International School, Duke of Edinburgh Bronze Award**

# INTERESTS & HOBBIES

My greatest passion is crafting – be it woodworking, experimenting with recipes, tinkering with electronics, making games or building my own website. I take great pride in seeing the products of my hard work take flight. I take an active interest in the world of technology – especially robotics, AI, renewable technology and gaming. I love to cook and enjoy experimenting with new and interesting flavours from across the world. I strive to solve real-world problems and help bring smiles to people's faces with every project and endeavour.