

# Syed, Mohammad Ali Qasim

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## PROFILE

Robotics Engineering soon graduating 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 1<sup>st</sup> 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.
- 2<sup>nd</sup> 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.
- 1<sup>st</sup> 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.