

# Manuj Mishra

+447868179280 | manujmishra2000@gmail.com | London, UK

## EDUCATION

### Imperial College London (2nd Year)

BEng Maths and Computer Science

(09/2019 - Present)

First Year Modules: Programming (Haskell, Java, and C), Graphs and Algorithms, Linear Algebra, Architecture, Logic, Calculus, Analysis and Reasoning About Programs

### Kings College London Mathematics School

Sixth Form

(09/2017 - 07/2019)

- A Level: Maths, Further Maths, Physics (3 A\*s), AS Level: Computer Science (A)
- EPQ: Research project titled "The ethical issues facing social media companies" (A\*)

#### Courses/Projects

- Worked with Dyson on a collaborative research project to investigate methods of optimising queueing systems through real-life experiments and simulations in Python.
- Competed in the British Mathematical Olympiad and British Informatics Olympiad.
- Took optional classes in Sums and Integrals, Limits, and Graph Theory alongside my A Levels.

### Tiffin School

Secondary School

(09/2012 - 07/2017)

- 12 A\*s (or equivalent) in GCSEs

## RELEVANT WORK EXPERIENCE / PERSONAL PROJECTS

### Mobile App Developer (Contract)

Imperial College London

(07/2020 - 09/2020)

- Designed UX storyboards and responsive UI mock-ups. Used these to create an intuitive frontend.
- Self-taught Flutter. Developed client-side features using a REST API to communicate with the Django backend
- Led multiple focus group sessions and liaised with product owners to iterate on the project specification.

### ETHena: Multi-strategy crypto trading bot

Spark University Hackathon

(06/2020 - 08/2020)

- Won 2nd place prize in the Luno trading challenge as part of the Spark University Hackathon
- Researched and analysed several trading strategies and technical indicators. Backtested these on historical data using Python.
- Self-taught Go. Worked efficiently in a team of 5 to develop several trading bots in parallel and deploy them on the Luno Cryptocurrency Exchange.

### EyeShield: Health app for the screen generation

IC Hack

(02/2020)

- Won a runners up prize in the UK's biggest student-run hackathon (over 400 students).
- Used facial recognition to detect prolonged phone usage at an unsafe distance from the eyes and notify users
- Learnt React Native and developed a prototype in under 24 hours.

## VOLUNTEER POSITIONS

### Vice President

(05/2020 - Present)

Imperial College London Hindu Society

- Manage day to day delegation of activities to 23 committee members working across 8 different departments (e.g. Culture, Sports, Marketing, etc.)
- Liaise with hindu societies across London to organise various inter-university events such as our sell-out Diwali Formal and inter-society Winter Mela (cultural fair)

### Youth Mentor

(01/2019 - Present)

Youth for Sewa (Volunteering program with NGOs in rural India)

- Run orientation days with guest speakers and representatives from partner NGOs
- Mentor 1-2 interns on the ground, giving them guidance and advice throughout their 6 week internship