

HARSHIL CHORDIA

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EDUCATION

Queen Mary University of London, UK

09/2018 – 07/2021

BSc Computer Science with Honours – First Class

- Object-Oriented Programming (97.3%), Artificial Intelligence (95%), Algorithms & Data Structures (82.9%)
- Project: [Eye Gaze Detection Keyboard](#) - a python application for typing with eye gaze. Used machine learning face detection models along with OpenCV, Dlib, and Tkinter libraries.

PROFESSIONAL EXPERIENCE

King's College London, UK

01/2022 – 07/2022

[Research Assistant](#) | **Earth Observation & Wildfire Research Group**

- Implemented project for derivation and validation of biomass burning CO emissions and fuel consumption measures derived using geostationary satellites over Australia.
- Extensively used numerical, data processing, and geospatial processing python libraries (NumPy, Scipy, Pandas, GDAL) to process satellite data for Remote Sensing.
- Worked on automating plume detection from satellite images using OpenCV/Scikit-Learn along with Machine Learning techniques.

Queen Mary University of London, UK

01/2020 – 05/2021

Teaching Demonstrator

Modules: Procedural & Object-Oriented Programming, Algorithms & Data Structures, Operating Systems

- Explained complex computer science principles to first- and second-year students, assessed their ability, and marked their work.

Debate Mate, UK

10/2019 – 05/2021

Head Mentor

- Organized and mentored in after school debating clubs for students aged 9-15.
- Supported them to work on their self-confidence, communication skills, critical and creative thinking, empathy, and resilience via debating.

PROJECTS ([LEARN MORE](#))

[Personal Portfolio](#) React web app using styled components and animations including framer motion.
Deployed: byharshil.web.app

[Expense Claim](#): React web app to claim expenses for FDM employees. Deployed: fdmexpenseapp.web.app

[Weather App for Dog Walking](#): React phone app to recommend dog owners about dog walking based on the breed & real time weather. Deployed: weatherhappydog.web.app

Stock Market Simulator: Developed a gamified stock market simulator app with GUI.