





# Rai Muhammad

## Ibrahim Badar

 **Phone number:** 07497509380 / +92 3467210353  
 **Email address:** ibrahimbadarroy@gmail.com  
 **Portfolio Website:** <https://rb.gy/69r4nh>  
 **GitHub:** <https://github.com/Ibrahim-Roy/Portfolio-Showcase.git>

## PROFILE

Diligent and solution-oriented second year Computer Science student at Queen Mary University of London with a rich history of inquisitive and innovative experiences. Keen knowledge in python and java acquired by programming trouble shooters, RPG's and many more. Adept at web development with HTML, CSS, PHP, and JavaScript utilization, having developed a portfolio website and a blog engine. Proficient at testing and handling errors in an efficient manner. Mature communicator, listener, and team worker, on account of mentoring and tutoring at Drapers Academy and Pyrgo Priory School. Highly motivated to secure an internship to further hone my skills in a professional environment and adapt them according to industrial practices.

## EXPERIENCES

01/2021 – 05/2021 LONDON, UNITED KINGDOM

### **EECS Demonstrator/Teaching Assistant**

#### **Queen Mary University of London**

Assisted in the teaching of Web Development, Object Oriented Programming and Algorithms & Data Structures. Modules from the previous year at university that I had performed extremely well in. Managed the labs taking all student queries and participated in script marking.

09/2019 – PRESENT LONDON, UNITED KINGDOM

### **EECS Buddy Scheme Mentor**

#### **Queen Mary University of London**

Providing guidance to first year students in the school of electronic engineering and computer science.

09/2018 – 06/2019 LONDON, UNITED KINGDOM

### **Junior Leadership Team**

#### **Drapers Academy**

Team comprised of sixth form students, worked collaboratively to represent, and support the pupils at the Academy.

08/2018 LONDON, UNITED KINGDOM

### **Blockchain Workshop**

#### **IBM**

Introduced to blockchain in a demo. Participated in an interactive activity that emulated problem solving in software development, analysing customers' requirements, and deducing how they will be achieved. Improving my attention to details, research, critical thinking, analysis, troubleshooting, and decision making. Drove IBM's Formula One race car emulator.

08/2018 LONDON, UNITED KINGDOM

### **AI Workshop**

#### **Google DeepMind**

Interactive workshop looking into the progress of Artificial Intelligence, its future capabilities, and applications. Introduced to Alpha Go and its achievements with Go. Interactive activities helped improved problem-solving and time management.

07/2018 – 08/2018 LONDON, UNITED KINGDOM

### **Robotics Internship**

#### **In2Science at UCL**

Built and programmed insect mimicking robots using the micro: bit. More reliable to navigate remote areas due to the ability to adapt according to terrain and adapt to any damages sustained. Analysed drones and their movement relative to each motor's behaviour. Trialled UCL's HoloLens. This made me more enthusiastic, provided me with a growth mindset towards computer sciences and allowed me to be more open to experiments.

09/2017 – 06/2018 LONDON, UNITED KINGDOM

### **Tutor/Mentor**

#### **Drapers Academy/ Drapers Priory School**

Tutored year 6 pupils, to enhance their maths skills, helping them adapt to upcoming GCSE maths. Tutored and mentored year 11 GCSE students enhancing my planning, organisation, mentoring, communication, and team working skills.

10/2015 – 05/2019 LONDON, UNITED KINGDOM

### House Council

#### Drapers Academy

Elected to represent peers in the school's house council, voicing their concerns and needs. Helping solve any problems they encountered and tried to improve overall student life. Helped me become an active listener, more confident, and allowed me to practice public speaking. Also shaped my empathetic and negotiation skills.

09/2016 – 06/2017 LONDON, UNITED KINGDOM

### School Prefect

#### Drapers Academy

Chosen by school staff to help arrange and manage events. Represented students and tried to improve their experience by attending to their concerns. Used the opportunity to improve critical thinking, patience, cooperation, and conflict resolution skills.

01/2016 – 04/2017 LONDON, UNITED KINGDOM

### Library Assistant

#### Drapers Academy

Helped manage the school library, maintaining and expanding the inventory. Improving my organisation and time management skills.

06/2012 – 07/2012 FAISALABAD, PAKISTAN

### ECO Intern

#### WWF

Led a team of interns researching inadequate landfill sites. Collaborated with most effected, poverty-stricken locals, and voiced their concerns and their call for help. Influenced the local authorities to clear the landfills. Rewarded a year's membership with WWF. Honed leadership, communication, management, and presentation skills helped improve a small groups quality of life.

## EDUCATION

09/2019 – PRESENT LONDON, UNITED KINGDOM

### Computer Science

#### Queen Mary University of London

BSc FT 3 year

09/2017 – 06/2019 LONDON, UNITED KINGDOM

### A level

#### Drapers Academy Sixth Form

Physics, Maths, Biology, Chemistry

09/2014 – 06/2017 LONDON, UNITED KINGDOM

### GCSE

#### Drapers Academy

Maths, Statistics, English Language, English Literature, Computer Science, Graphics, Resistant Materials, Urdu, Physics, Chemistry, Biology

## SKILLS

### - SOFTWARE DEVELOPMENT

Java, Python, Procedural Programming, Object Oriented, Programming, Testing and Debugging, Multithreading,

### - WEB DEVELOPMENT

HTML, CSS, PHP, JavaScript, MySQL, React

### - MULTILINGUAL

English, Urdu, Hindi, Punjabi

## ACHIEVEMENTS

10/2020 LONDON, UNITED KINGDOM

### Annual Fund Scholarship

#### Queen Mary University of London

Awarded to a student whose work is considered by their Faculty, the school of electronic engineering and computer science, to be of outstanding academic merit.

05/2017, 04/2019 LONDON, UNITED KINGDOM

### DofE Bronze and Silver award

#### DofE Drapers Academy

6 months of volunteering, physical activities and skill improvement followed by planning and executing 5 expeditions lasting 2 to 3 nights each. Enhancing management, teamwork, communication, and navigation skills.

11/2019 LONDON, UNITED KINGDOM

### **The Frankland Cup**

#### **[Drapers Academy](#)**

Awarded to the top science student in honour of Dr Bill Frankland.

11/2017 LONDON, UNITED KINGDOM

### **Drapers Company Medal**

#### **[Drapers Academy](#)**

Awarded due to outstanding academic achievement in GCSE's, donated by the Drapers Company.

08/2017 LONDON, UNITED KINGDOM

### **Grade 9 in GCSE Maths**

#### **[Drapers Academy](#)**

Top 4.7% of all pupils in England.

01/2011 – 02/2011 FAISALABAD, PAKISTAN

### **2<sup>nd</sup> position Roots Science Expo**

#### **[Roots Ivy](#)**

Led a team and developed a Smart Home model. Used light, heat, water, motion, and sound sensors to allow the house to automate according to any stimuli.

01/2011 – 02/2011 FAISALABAD, PAKISTAN

### **3<sup>rd</sup> position Roots Science Expo**

#### **[Roots Ivy](#)**

Led a team to manufacture a full-size rowing boat out of recycled water bottles. Showcased economic and ecological solutions for poor fish farmers and for remote lakes.



## **HOBBIES**

HORSE RIDING

SWIMMING

Tent Pegging

**References available on request, please visit the portfolio website listed at the top to look at certificates!**