Zohaib Ehtesham

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EDUCATION

Brunel University London — Expected June 2025
B.Eng Computer Systems Engineering — *Current Grade: First(Expected)*

COURSEWORK

Courses: Object-Oriented Systems and Programming(A*) , Data Networks, Services & Security(A), Micro-controller Group Design Project(A), Sensors & Automation(A),Computer Architecture and Interfacing(A-) , Professional Practices and Business for Engineers(A-)

EXPERIENCE

Nissan Technical Center | *Industrial Placement Student* — Aug. 2023 - Present
- Supported QA Engineer with intensive IVI (In-vehicle Infotainment) software testing at the end of each sprint, leveraging knowledge of advanced debugging tools and CAN architecture.
- Collaborated closely with the global voice recognition feature owner to ensure accurate feature implementation in the European region.
- Developed Python scripts to seamlessly import test cases from Excel sheets to TestRail, enhancing the team's ability to monitor test progress efficiently.

Indian Institure of Science (IISc) | *Research Intern* — July 2023 – Aug 2023
- Achieved Turing Scheme Fellowship for Human-Robot Interaction project.
- Contributed to Computer Vision and Machine Learning for Gesture Recognition in Human-Robot Collaboration.
- Designed and Implemented Direct and Inverse Kinematic Solutions for UR5e robot.

Brunel University London (Prof. Akram Khan) | *Summer Student Intern* — Aug 2022 – September 2022
- Developed a machine learning model for emotion prediction, and explored creating a loneliness prediction model based on the emotion prediction model.
- Emotion Prediction Model had accuracy of ~70% and Loneliness Prediction Model had root mean squared error ~2 units for the UCLA Loneliness Scale Ranging from 1-9 units

Infoglen | *Apex Developement Trainee* — July 2022 – Aug 2022
- Trained under a mentor to work with Apex Developement and SOQL to create business automations using Salesforce Platform.

SKILLS

Languages: C/C++, Python, Java, JavaScript, HTML/CSS, Apex (Salesforce), Arduino, Arduino, SQL
Software and Libraries: scikit-Learn,GitHub, Django, React.js, TensorFlow, IBM SPSS, OpenCV, NI Labview

PROJECTS

Ecommerce Website | *React.js, Google Firebase, HTML, SASS CSS* — Personal Project
Developed e-commerce site with React.js, SASS CSS, and Netlify deployment.Utilised Google Firebase for authentication.

Banking-Supermarket Software | *Java, Object Oriented Programming, NetBeans* — Brunel University London
Developed GUI-based Banking and Supermarket software using Java and NetBeans IDE. Implemented Object-Oriented Programming principles and linked the systems together.

Signly.fun | *Django, JavaScript, Bootstrap* — Royal Hackaway V5
Collaborated with a team of four to develop a British Sign Language (BSL) Learning website. Led front-end development using JavaScript with Django and Bootstrap framework.

AWARDS

2020 International Real World Design Challenge - Grand Prize
2021 Google Hacxmas Hackathon - Winner (in Education Track)
2023 Royal Hackaway V6 - 3rd Place Winner
2023 Received Turing Fellowship for Internship at Indian Institute of Science (IISc)