

Education

Kingston University

MSc in Software Engineering

Kingston upon Thames, UK

Sep 2023 - Present

- Relevant Modules: Software Quality Engineering, Agile Project Management, Software Architectures
- Programming Languages: C#, Python, Java

Bahria University

Bachelor of computer science | CGPA: 3.3

Islamabad, Pakistan

Feb 2019 - Feb 2023

- Relevant Modules: Object Oriented Programming, Design and Analysis of Algorithms (Grade A,B)
- Programming Languages: C++, Python, React Native, JavaScript

Work Experience

Kingston University

Research Assistant

Kingston upon Thames, UK

March 2024 - June 2024

- Quantitative Data Analysis and Modelling
 - Utilised Python programming language to develop regression models for datasets collected by researchers.
 - Applied advanced statistical techniques to analyse urban tree radiative thermal performance across commonly planted tree species in the UK.
- Testing and Visualisation
 - Implemented tests to validate and enhance the accuracy of developed regression models.
 - Created 3D models based on collected datasets to visualise and analyse urban tree thermal performance, providing valuable insights for further research.

Ninjas Code

Junior Software Engineer

Islamabad, Pakistan

Feb 2023 - July 2023

- Development
 - Contributed to open-source web and mobile apps, re-factoring old frameworks for more modern ones. (*JavaScript, React, React Native*)
 - Optimised apps by identifying and developing inefficient components resulting in 20% increase in user engagement and a 15% reduction in app bounce rate.
 - Diagnosed and resolved bugs leading to 30% decrease in customer complaints and an improved app rating by 1.5 stars.
- Dev-Ops
 - Orchestrated the deployment of servers in the railway infrastructure, ensuring uninterrupted service availability and security. (*Railway, Node.js, MongoDB*)
 - Implemented security measures, safeguarding sensitive railway data and ensuring compliance with industry regulations.
- Testing
 - Collaborated closely with the Quality Assurance (QA) to conduct testing and quality checks of software products.
 - Resolved a total of 16 GitHub issues through manual testing and proactive debugging.

Projects

Enatega

- Worked on an open-source React web app for customers looking to deploy a readymade and easy to use platform for their food delivery and logistics business. (*React, Typescript*)

Greenify

- Led a university project to design and develop a tree plantation cross platform mobile app in final year. Using AI the application helped users identify trees near their location and gave them a platform to help them plant more trees. (*React Native, Javascript, Firebase, Python*)

Traffic sign recognition system

- Designed, tested and developed a traffic sign recognition system using CNN and Jupyter in python. (*Python, Jupyter*)