

ROHAIL RAMESH

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EDUCATION

Queen Mary, University of London

September 2021 - July 2024

BSc Hons, Computer Science (1st Class)

- Relevant modules: Software Engineering, Web Programming, Object Oriented Programming, Algorithms & Data Structures, Database Systems, Operating Systems, Security Engineering, Data Mining and Neural Networks & Deep Learning

Kettering Buccleuch Academy

September 2019 - July 2021

A-Levels

- Maths – A*, Further Maths – A, Physics - B

PROFESSIONAL EXPERIENCE

Queen Mary University of London

London, United Kingdom

Computer Science Teaching Assistant

January 2023 - Present

- Provided comprehensive support to module organisers during lab sessions, tutorials and assessment marking.
- Guided 7 teams through SDLC, developing a well-being app for a tech consultancy firm for 12 weeks resulting in a 95% project completion rate.
- Continuously built upon technical knowledge and skills by completing workshops, developing teaching material and exploring new software.
- Modules assisted: Professional Research Practice, Fundamentals of Web Technology, Information System Analysis (1st Year), Software Engineering, and Software Engineering Project (2nd Year).

MyTutor

Remote

GCSE Maths Tutor

February 2022 - Present

- Facilitated diverse data driven and tailored teaching strategies for over 200 one-on-one and group tutoring sessions.
- Provided detailed and organised explanations, ensuring clarity in remote teaching environment for over 10,000 minutes.
- Applied analytical and logical problem-solving skills to enhance students' understanding of mathematical concepts.

Lloyds Banking Group

Remote

Start Your Journey 2023 Technology & Data Intern

August 2023 - August 2023

- Led a data analysis project focused on fraud detection, showcasing technical and problem-solving skills.
- Developed and tested a notification system, integrating user requirements and technical specifications.
- Demonstrated strategic thinking in a bank simulation, emphasising collaboration and technical competency.

Rolls Royce

Remote

Accelerator Technology & Engineering Intern

July 2022 - July 2022

- Created a remote maintenance and charging solution for urban mobility aircrafts, emphasising technical innovation.
- Presented technical solutions to senior leaders, integrating new technology insights.
- Collaborated with 5 team members to research and design software solutions.

Bright Network

Remote

Technology Stream Intern

June 2022 - June 2022

- Optimised routing and scheduling algorithms using breadth-first and depth-first search techniques, leading to a 10% improvement in delivery efficiency for simulated logistics scenarios.
- Completed a work sample project, demonstrating thorough technical skills and problem-solving abilities.
- Researched and developed software solutions for delivery optimization challenges presented by Amazon.

Ideal Health & NHS Foundation Trust

London, United Kingdom

IT Floor Walker

April 2022 - May 2022

- Provided technical support for the Electronic Patient Record (EPR) system implementation across 5 hospital departments, ensuring seamless integration and achieving a 98% user satisfaction rate.
- Monitored and resolved over 20 software bugs, significantly improving system efficiency and reducing downtime by 10% during the critical post-launch phase.
- Delivered comprehensive user training to over 100 healthcare professionals, creating detailed operational documentation that facilitated a 20% faster adoption rate of the new EPR system.

PROJECTS

Personal Website: www.rohailramesh.co.uk (for additional information and projects)

Machine Learning App for Preventing Luteal Phase Defect & Overcoming Period Product Poverty – 2023/24

- Developed and maintained a full-stack mobile application using React Native, Flask, Supabase, TensorFlow for final year project.
- Implemented LSTM model for predicting luteal phase length, ensuring efficiency in diagnosing and preventing menstrual health issues with 80% accuracy.
- Integrated personalised reminder system for academic institutions, significantly increasing user engagement by 30%.

Cross platform App for Global Accommodation and Consultant Networking - 2023

- Created and tested a cross-platform app using Next.js, React Native, Supabase, Node.js, and Redis.
- Collaborated with a seven-member team, leading front-end development and leveraging agile methodologies to streamline accommodation searches and networking.
- Enhanced application integration, ensuring seamless operation across various platforms for global consultants.

Full Stack Mobile App for Subscription Management - 2023

- Developed, tested, and deployed a subscription management app using React Native and Supabase.
- Followed SDLC processes to optimise usability and secure user data through encryption and real-time features.
- Implemented interactive dashboard, push notifications, and automated reminders, ensuring efficient subscription management.

Web App for Book Enthusiasts for Tracking & Note Taking - 2023

- Created and maintained a user-friendly website using Next.js, ensuring efficient book tracking and note-taking.
- Implemented real-time note-taking system with Supabase, enhancing user experience and system responsiveness.
- Utilized server-side rendering for fast loading, improving usability and user interaction.

Graphical User Interface Focused App for Weather-Driven Trip Planner – 2023

- Created a user-friendly interface for a trip planning app, integrating real-time weather forecasts and destination information.
- Focused on Human-Computer Interaction principles to enhance usability, intuitive navigation, and overall user experience.
- Developed and maintained the application as a team of 5, ensuring seamless integration and efficient operation for tourists.

SKILLS

- Languages: JavaScript, Python, Java, HTML, CSS, SQL, PHP
- Frameworks: React, React Native, Next.js, Django
- Databases: MySQL, PostgreSQL
- Tools: Git, Visual Studio Code, IntelliJ IDEA
- Methodologies: Agile Software Development
- Operating Systems: Windows, Linux (Ubuntu), MacOS

ACHIEVEMENTS

- Best 2nd Year Software Engineering Project – Queen Mary University of London - 2023
- Head Boy – Kettering Buccleuch Academy – 2020/21
- Best Academic Project Winner Computer Science & Engineering – Oxford Brookes Summer School - 2020
- ETHOS Respect Award – Kettering Buccleuch Academy - 2018

CERTIFICATES

- AWS Cloud Practitioner Essentials - 2024
- TryHackMe Introduction to Cyber Security - 2024
- Ideal Health Digital Health Floorwalker - 2022
- MyTutoring Basics - 2022

REFERENCES

- Available upon request