

Muhammad Affan Khalid

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Summary

Passionate Software Developer, no matter what problem is, with a can-do attitude and strong problem solving skills, have been successfully solving so far whatever comes.

Skills

Programming: CPP, Python, React.js, CSS, Node.js, Next.js

Technologies: SQL, NoSQL, Git, Agile, GitHub, API's

Soft Skills: Time management, Communication, teamwork, problem-solving, critical thinking, and adaptability.

Education

- **University of East London** | January 2023— May 2024
Ms Computer Science
- **National University of Computer and Emerging Sciences** | August 2018 - Sept 2022
Bs Computer Science

Certifications

Microsoft Azure Fundamentals, AWS Cloud Foundation, CompTIA Security+

Experience

Sainsbury's | Customer Trading Assistant

June 2022 — Present

- Gained hands-on experience as a Customer Trading Assistant at Sainsbury's, working across the shop floor, tills, and self-checkout.
- Delivered excellent customer service, ensuring a smooth and positive customer shopping experience.
- Currently working in the bakery, handling food preparation, maintaining quality standards, and ensuring hygiene compliance.
- Developed strong multitasking and teamwork skills in a fast-paced retail environment.

Devsinc | Full Stack Developer

September 2022 — December 2022

- Developed full-stack web applications using **MERN Stack**, focusing on creating intuitive and efficient user interfaces.
- Implemented microservice APIs, ensuring robust and scalable software architecture.
- Conducted **code reviews** to maintain high-quality standards and improve code efficiency.
- Collaborated with **cross-functional teams** to translate user requirements into technical specifications.
- Successfully contributed to both the web application and admin panel by utilising React, including implementing new features that enhanced the functionality of both platforms.
- Consistently delivered optimised, organised, and well-documented code following the **DRY principle**, reducing redundancy, and increasing maintainability and scalability of the application.

Vialto Partner | IT Field Engineer

June 2024 — August 2024

- Provided technical support to company staff, resolving issues related to computer devices, Wi-Fi connectivity, and peripheral equipment.
- Conducted troubleshooting and diagnostics to identify and fix hardware and software problems, ensuring minimal downtime.
- Assisted in the setup, configuration, and maintenance of IT systems, enhancing overall operational efficiency for the team.

Teaching Assistant | National University of Computer and Emerging Sciences

Data Structures and Algorithm | January 2020 — September 2020

- **Assisted** in conducting weekly lab sessions, and guiding students through assignments.
- **Delivered** tutorial sessions to clarify complex concepts and problem-solving techniques.
- **Graded** student assignments and provided feedback to improve their understanding.
- **Collaborated** with faculty to design and implement effective teaching strategies.
- **Mentored** students on academic and professional development, fostering a supportive learning environment.

Projects

Dissertation Research

- **Developed** a comprehensive credit risk assessment model using advanced machine learning techniques, Random Forest, XGBoost, Decision tree, and Logistic Regression to improve prediction accuracy.
- **Implemented** data pre-processing techniques like imputation, normalisation, and feature engineering to enhance model performance.
- **Conducted** in-depth literature review to identify relevant research gaps and inform research methodology.
- **Utilised** statistical software to analyse large datasets and generate insightful visualisations.
- **Collaborated** with academic experts to refine research questions and interpret findings.
- **Presented** research findings at conferences and workshops, demonstrating strong communication skills.

Golf Forever | Teaching golf how to play and improve their golf game

Devsinc

- Developed both the front-end and back-end requirements.
- Delivered an optimised back-end structure creating clear and scalable solutions, currently having 25k active users.
- Effectively coordinated with global teams, as well as local and diverse organizational hierarchies, including data analysts and mobile development teams.
- Conducted thorough testing and debugging processes to identify and resolve any issues or discrepancies between the back-end and front-end components.
- Managed deployments using Docker containers and AWS services, ensuring efficient scaling, reliability, and maintainability.