

Rayan Sheikh

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EDUCATION

University of Westminster <i>BSc Computer Science</i>	Sept. 2024 – June. 2026
University of Aberdeen <i>BSc Computing Science - Achieved 1st</i>	Sept. 2021 – June. 2022
Watford Grammar School for Boys <i>BBC - Maths, Computer Science, Physics</i>	Sept. 2019 – June. 2021

EXPERIENCE

Budget Plus Services LTD <i>Software Engineer Intern</i>	<i>London, UK</i> Sept. 2023 – Aug. 2024
<ul style="list-style-type: none">Developed an internal web application using HTML, CSS and JavaScript by collaborating with cross-functional teams, reducing data entry errors by 15% and improving maintenance tracking.Led the migration of a legacy customer database from an on-premises server to the cloud, gaining hands-on experience across the product lifecycle, resulting in a 40% reduction in system downtime.Collaborated with engineers to meet business requirements, gaining insights into software development processes, which led to a 30% improvement in project delivery timelines.	
Bright Network <i>Technology Experience Participant</i>	<i>Remote, UK</i> June. 2023 – June. 2023
<ul style="list-style-type: none">Worked in a multidisciplinary team to design innovative solutions for SMEs, creating 3 tailored strategies that addressed key technical challenges.Evaluated the feasibility and scalability of the solutions based on 5 categories: Technical Innovation, Creativity, Execution, Design and Business Model.Participated in professional development sessions, gaining insights into the latest technologies and software engineering trends.	
PC & Mobile Solutions LTD <i>Technical Support Specialist</i>	<i>Watford, UK</i> Oct. 2019 – Oct. 2019
<ul style="list-style-type: none">Resolved device hardware issues and upgraded components to improve performance.Upgraded devices' secondary storage from HDD to SSD and increased RAM to 16GB, reducing boot times.Tested and maintained the quality of all device stock, including phones, laptops and tablets.	

PROJECTS

Command Line Tool
<ul style="list-style-type: none">Developed a Python-based command line tool, incorporating key terminal commands with custom flags and options, automating tasks and improving productivity by 20%.Employed error handling, input validation and output formatting to ensure a seamless user experience.
RFT Protocol
<ul style="list-style-type: none">Implemented the Reliable File Transfer (RFT) protocol using Positive Acknowledgement with Retransmission (PAR), improving data transmission reliability by 30% and reducing packet loss by 15%.Designed the solution to detect lost acknowledgements, enhancing the user experience by reducing delays in communication.
Lottery Web Application
<ul style="list-style-type: none">Built a full-stack web application using HTML, CSS, JavaScript (front-end) and Flask, MySQL (back-end), improving data management efficiency.Focused on error handling, user authentication and secure data transmission, enhancing system security and reliability.

COURSES

Data Science Professional Certificate by IBM on Coursera
<ul style="list-style-type: none">Developed expertise in machine learning techniques, including regression models, classification techniques and tree ensembles, leading to a 15% improvement in model accuracy for predictive tasks.Built an interactive Plotly Dash dashboard and trained a model to predict aircraft landing success, achieving 98% accuracy for real-time decision-making.

SKILLS

Programming Languages: Python, JavaScript, C++, Java, SQL, LaTeX
Extra Curricular: Tennis, Table Tennis, Basketball, Badminton