Shozab Anwar Siddique

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Location: Berkshire, Slough, SL2 1DN

EDUCATION

King's College London — London, England
Bachelor of Sciences in Computer Science — *Sep. 2021 – Jul. 2024*

Herschel Grammar School — Berkshire, England
Advanced level qualifications: Further Maths (A), Maths (A), Physics (A), Chemistry (B) — *Sep. 2019 – Aug. 2021*

PROJECT EXPERIENCE

API Oriented Client-Based Financial Application | King's College London Jan. 2023 – Mar. 2023
React Native, Django REST, Node.js, Python, JavaScript, Typescript, JSX, CSS, GitHub
- Led a team of 8 to build a financial application for tracking bank cards, credit cards, stocks, and crypto assets
- Integrated **APIs** for retrieving user data and offer real-time insights with graphs and data analysis
- Enhanced user engagement by 30% with an interactive pie chart offering an overview of the user's portfolio, allowing navigation to categorical pie charts and individual asset cash flows
- Devised reusable front-end modules, implementing interactive charts for visual insights on cash flow, reducing development time by 20% and increasing user engagement

Music School Management System | King's College London Oct. 2022 – Dec. 2022
Django, Python, HTML, CSS, GitHub
- Collaborated in a team of 4 to create a school app enabling students to sign up, request lessons based on availability, and access lesson details, user balance, and payment history
- Implemented CRUD endpoints, empowering admin users to manage 500+ lesson requests, schedule lessons, modify school term dates and access a record of student transactions
- Empowered parents to register and book lessons, link accounts with child users and book lessons for children
- Fortified code integrity by collaborative team code reviews and functional testing achieving a 93% code coverage

Automata Animated Visual Toolkit | King's College London Jan. 2023 – Apr. 2024
JavaFX, Java, CSS
- Devised an interactive toolkit to support learners in automata theory. The toolkit permits users to construct automata with associated error labels encouraging guided learning and correction of design misconceptions
- Implemented simulation features allowing users to explore automata behavior, including backtracking and non-deterministic exploration using simulation controls encouraging comprehension of automaton processes
- Engineered functionality for converting between non-deterministic and deterministic automata, simplifying processes to enhance user convenience and foster deeper algorithmic understanding through hands-on exploration

Airbnb London Rental Property Viewer | King's College London Oct. 2022 – Dec. 2022
JavaFX, Java, CSS, GitHub
- Collaborated in a team of 4 to build a multi-window property viewer app for exploring rental properties
- Conceived an interactive map panel showcasing 32 London boroughs labeled by availability, supporting exploration of 53,000+ property listings by borough and displaying individual properties with details on Google Maps
- Integrated 10+ statistics for analysis of properties available based on price range, promoting property selection

PERSONAL PROJECTS

Cookify | *Django Rest, React, Redux, Node.js, Python, JavaScript, JSX, CSS, GitHub* Jun. 2023 – Sept. 2023
- Crafted a web app enabling user creation and exploration of recipes by integrating the **Edamam** API, providing access to over 2 million recipes for efficient exploration from a diverse range of articles
- Engineered CRUD endpoints with RESTful architecture to manage recipe data, streamlining data interactions
- Constructed mechanisms to dynamically generate personalised shopping lists based on ingredients needed for user's planned meals, promoting convenience and ease in meal preparation

TECHNICAL SKILLS

Engineering: Frontend, Backend, API Implementation, RESTful Web Services, Agile Methodologies (Kanban, Scrum)
Languages: JavaScript, Python, Java, C++, Scala, TypeScript, HTML/CSS, JSX
Frameworks: React/React Native, Django/Django REST, Node.js, JavaFx, Java Swing
Tools & libraries: Git/GitHub, Docker, Postman, VS Code, Linux/Windows, Bootstrap, React Redux, numpy