RAJ MOHAMMAD

Portfolio | LinkedIn | GitHub | HyperionDev Portfolio

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A motivated and ambitious individual currently building my technical skills and looking to pursue a career in software development with a keen interest for Artificial Intelligence, Frontend Development and Fin-Tech. I am a quick and passionate learner, always trying to strive for improvement and have the skills necessary to perform in teams as well as individually.

PROGRAMMING PROJECTS

Google Search Clone – React, Tailwind CSS, JavaScript, HTML   [Link]   [GitHub]

▶ Clone of the Google search engine made using Custom Google Search API.

FakeStore (E-Commerce Site) – React.JS, HTML, CSS, JavaScript   [Link]   [GitHub]

▶ An extensive E-Commerce website built using React that mimics API data fetching by using local JSON file.
▶ Includes responsive and interactive designs for landing page, browse page, product page, and basket page.

Song Downloader (Terminal Application) – Python   [GitHub]

▶ Application that uses Spotify API with OAuth 2 authentication to get user playlist data and YouTube API to download songs.

King's Certificate: Improving the Online Shopping User Experience (UX) – HTML, Bootstrap, C#   [GitHub]

▶ Conceptual website for online shopping service developed using ASP.NET (MVC) and Git, incorporates research into user psychology, customer centricity, and responsiveness of web design.
▶ Worked on the frontend development, pagination, and dynamic navigation.

National University of Singapore High-School: Hackathon 2020 (U-Receipts) – HTML, Bootstrap/CSS, C#, SQL   [GitHub]

▶ Developed a receipts-storing web application in a time-restricted and collaborative environment.
▶ Constructed frontend designs for landing page, dashboard, and information display pages; contributed to backend.

EPQ: Designing and Making the 'Perfect' Game – C#, Unity, Amazon Web Services (AWS)

▶ Prototype first-person shooter with client-server architecture hosted on AWS (Linux Server) for integrated multiplayer.
▶ The game includes wall-running, mantling and parkour stunting; inspired from my exposure to game development.

EDUCATION

King's College London Mathematics School | A-Levels   (September 2020 – August 2022)

▶ Mathematics – A*, Further Mathematics – A*, Physics – A*, EPQ – A, AS Computer Science – A
▶ NUSH Hackathon (2nd Place), British Informatics Olympiad, Senior Maths Challenge – GOLD, Senior Kangaroo Maths Challenge, King's Certificate – Distinction, BPho Senior Physics Challenge, Bebras Computing Challenge

Beths Grammar School | GCSE   (September 2015 – August 2020)

▶ 12 GCSEs 9-8; Maths – 9, Further Maths – 9, Physics – 9, Computer Science – 8, English Language – 8
▶ DofE, Honours Tie, Mathematician Award, General Excellence Award, English Speaking Endorsement (Distinction)

EXPERIENCE

Frontend Simplified Internship – NFT Marketplace   [Link]   [GitHub]

▶ Transformed a static HTML, CSS, JavaScript and React single page application into an interactive user interface using animations, transitions, and carousels.
▶ Processed API request using Axios to dynamically represent data from a cloud server and represent it using skeleton loading states, pagination, and dynamic routing.
▶ Utilised Git version control and GitHub interface to work in a virtual and collaborative environment.

Frontend Development Support

▶ Supported a community of 1,000+ students learning HTML, CSS, Flexbox, JavaScript, and React best practices.
▶ Simplifying difficult programming concepts (responsiveness, CSS Layout, Promises, Async, API requests)

HyperionDev | Software Engineering Bootcamp

▶ Python, SQL, Natural Language Processing, Data-Driven Web Applications, System Designs, Source Version Control, Backend Web Development, Object-Oriented Programming

SKILLS

◆ HTML5, CSS3 (+SCSS, BEM), JavaScript ES6+, Typescript	◆ Communication, collaboration
◆ Java, Python (NLP, Django), MySQL, OOP	◆ Problem solving, critical-thinking
◆ React (+ hooks), Next.js, Tailwind CSS, GraphQL	◆ Analytical skills, presentation
◆ Git, NPM, Firebase v9, Yarn, React dev tools, GitHub	◆ Time management