RAJ MOHAMMAD

Portfolio | LinkedIn | GitHub | rajmoham10@gmail.com

A motivated and ambitious individual with excellent technical proficiency in ReactJS, TypeScript, Python and Java; with a keen interest for generative-AI 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.

EXPERIENCE

Solutions Engineer Intern – Coveo

▸ Created product demonstrations for clients utilising Coveo AI models, React and Typescript for refined and relevant searching capabilities, query suggestions, facet management and result pagination.

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

▸ Transformed a static page into an interactive UI, processing API requests to dynamically fetch data, skeleton loading states, pagination, dynamic routing, as well as utilising Git version control to simulate a virtual, 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)

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 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 | Undergraduate

▸ BSc Computer Science
▸ Java, Data Structures and Algorithms, Computer Systems, Machine Learning

King's College London Mathematics School | A-Levels

▸ 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 Gramamr School | GCSE

▸ 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)

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

CERTIFICATIONS

◆ HyperionDev - Software Engineering Bootcamp (Endorsed by Imperial College London)
◆ Coveo Level Up – Platform Developer Certification