

Sarthak Jha

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SUMMARY

A Computer Science graduate from the University of Liverpool, with experience as a Software Engineer Intern at VEC. My academic background, coupled with my skills in full stack development technologies like **JavaScript, TypeScript, React, Tailwind CSS, MongoDB, Python, Git/GitHub CLI for DevOps**, and more, backed by a multitude of personal and academic projects on [GitHub](#), like my [StudySync - AI Study Assistant](#) and [Nothing Inspired Portfolio Website](#) project make me an excellent candidate for Nothing.

SKILLS

Languages: Python, JavaScript, TypeScript, Swift, C#, C/C++, Java, HTML/CSS

Technologies: Node.js, React.js, Next.js, Tailwind CSS, REST API, Redux, Figma UI/UX Design

DevOps & Databases: Firebase, MongoDB, MySQL, AWS, Atlassian Jira, BitBucket, Git, GitHub CI/CD

EXPERIENCE

Virtual Engineering Centre (VEC)

July 2025 - September 2025

Software Engineer Intern

- Built modern full-stack features using React.js, Node.js, TypeScript, Tailwind CSS, MongoDB, AWS and Jira
- Integrated WebSockets for real-time pixel streaming with Unreal Engine, improving system performance
- Implemented AWS SES for automated email sending and AWS Cognito for authentication
- Utilised Atlassian Jira, Bitbucket, and GitHub CLI for version control and DevOps automation

University of Liverpool

January 2024 - June 2025

Computer Science Teaching Assistant

- Led weekly tutorials for two first-year Computer Science modules, teaching complex mathematics topics
- Voted 'Best Teaching Assistant 2024-25' by the Department of Computer Science with a 96% student satisfaction rate

Wirral Met College

February 2025 - April 2025

Programming Lecturer

- Taught full-stack software development curriculum covering JavaScript, HTML/CSS, Python, and MongoDB
- Achieved a 97% student satisfaction using creative assessment techniques like coding challenges

Chamberly AB

July 2024 - April 2025

Software Engineer Intern (iOS)

- Developed full-stack features for Chamberly's iOS app from scratch using Swift, SwiftUI, Firebase and the iOS SDK
- Maintained a flawless on-time task completion record, demonstrating strong ownership and efficiency

EDUCATION

University of Liverpool – BSc Computer Science (Hons)

2022 - 2025

- Awarded £4,000 scholarship award for academic excellence
- Sports: Men's Squash Athlete and President for Squash Club, awarded Liverpool's 3rd highest Athletic Honour.

Meta (Certification) – App Development, Swift, Swift UI, Version Control with Git, UI/UX Design, Kotlin

2023

PROJECTS (I have other open-source projects on my [GitHub](#), these are some of my favourites)

F1 (Formula 1) Fastest Lap Simulator | [Website](#) | [GitHub](#) | (TypeScript, Tailwind CSS, React.js, Vercel, GitHub, Next.js, Open F1 API)

- Interactive web app that lets users simulate fastest laps and compare car telemetry data across all Formula 1 sessions since 2023 (auto-updated for every new session). Deployed using Vercel with GitHub CI/CD pipeline
- Utilises F1 data from OpenF1 API, making it easy to compare drivers' speed, gear, DRS, throttle, brake, RPM, and lap times

StudySync | (Dissertation Project) | [Website](#) | [GitHub](#) | (TypeScript, Tailwind CSS, React.js, Vercel, GitHub, Next.js, OpenAI API)

- Full-stack study management tool that allows users to take notes, track study sessions, and practice with AI-generated quiz and exam generation via the OpenAI API, deployed using Vercel and GitHub CI/CD pipelines
- Implements Firebase Auth and Firestore for backend, with a responsive UI built using React, TypeScript and Tailwind CSS

Crypto Dashboard | [Website](#) | [GitHub](#) | (TypeScript, Tailwind CSS, React.js, Vercel, GitHub, Next.js, Coingecko API, Axios, Recharts)

- Financial dashboard that retrieves and visualises Bitcoin and Ethereum market data from the CoinGecko API
- Applies data science techniques such as the Z-score for anomaly detection to highlight unusual patterns