

Sai Raghavan Commandur

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SUMMARY

First year Computer Science student at the University of Surrey with a strong interest in software engineering, DevOps, and building scalable, maintainable systems. I'm driven by curiosity, continuous improvement, and a passion for solving real-world problems through clean, well-structured code and collaborative engineering practices.

EXPERIENCE

Code Ninjas

Code Tutor

September 2022 – October 2023

- Taught 50+ kids (ages 7–14) coding fundamentals in a wide variety of languages, including JavaScript, Python, Scratch
- Boosted engagement and project completion through game-based learning and mentoring.

Fujitsu

Reading, UK

Software Engineer Intern

November 2021 – April 2022

- Led a team to prototype an accessible social media app for elderly users, prioritizing intuitive design and usability.
- Contributed to an AR/VR education platform to enhance student engagement through interactive learning.
- Applied cybersecurity fundamentals by implementing basic encryption to safeguard app data.
- Achieved top 3 performance across all challenges; final project presented to senior Fujitsu stakeholders.

PROJECTS

Personal Portfolio Website

June 2025

- Developed my personal portfolio website to showcase my skills and projects – built using React, JavaScript and CSS

Weather App

May 2025

- Developed a weather app which displays hourly weather graphs, real time weather metrics and weekly forecasts - built using TypeScript, React, OpenWeatherAPI, TailwindCSS

FlickFinder API

May 2025

- Developed an API with different routes which fetches filtered information such as directors, movies, ratings, stars from the IMDb database – built using Java, SQLite, Javalin

University Administration App

November 2024

- Developed a full stack administration app for end-users which displays a list of courses, handles submission of new courses & updating existing courses & has a dashboard showing overall statistics – built with EJS, MySQL, NodeJS.

Morse Code Decoder

November 2024

- Built a real-time Morse code decoder using a Raspberry Pi and breadboard to detect signal patterns and convert them into readable text. Collaborated in a team to prototype, test, and debug the system – built with C

SKILLS

Programming: Python, JavaScript, Java, HTML, CSS, MySQL, React, NodeJS, TailwindCSS

Tools: Git, GitHub, VS Code, Vite, Vercel, MongoDB Atlas, Notion, Unity, Postman

EDUCATION

University of Surrey

Guildford, UK

BSc Computer Science

Expected Graduation Date - 2028

- **Relevant Modules:** Software Engineering, Data Structures & Algorithms, Web & Database Systems, Computer Logic, Programming Fundamentals, Operating Systems

UTC Reading

Reading, UK

A-Levels

Sept 2021 – June 2024

- **Subjects:** Computer Science, Mathematics, Physics, EPQ