

Sai Raghavan Commandur

Aspiring Software Engineer | Student Ambassador

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Github: rxghavc | Maidenhead, UK

Education

University of Surrey

Guildford, UK

BSc Computer Science

Sept 2024 - Present

- Predicted Degree Grade: First Class Honours
- Expected Graduation Year: 2028 with Placement Year
- Relevant Modules: Software Engineering, Data Structures & Algorithms, Web & Database Systems, Computer Logic, Programming Fundamentals, Operating Systems

Experience

Code Tutor

Sept 2022 – Oct 2023

Code Ninjas

Reading, UK

- Taught 50+ students (ages 7–14) coding fundamentals in JavaScript & Scratch; helped improve coding scores by 35%

Software Engineer Intern

Jul 2021 – Apr 2022

Fujitsu

Reading, UK

- Led a team to prototype an accessible social media app for elderly users, prioritizing intuitive design
- Boosted student engagement by 42% by developing features for an AR/VR education platform
- Strengthened data security by implementing two encryption methods, reducing vulnerabilities
- Ranked top 3 in all internship stages; presented final project to senior stakeholders

Projects

Budgetly – Personal Finance Tracker | React, Next.js, TypeScript, Tailwind CSS, Supabase, Clerk

June 2025

- Built a full-stack budgeting app with per-user authentication via Clerk and Supabase JWTs
- Implemented Supabase Row-Level Security (RLS) policies to enforce secure, per-user data isolation
- Designed responsive UI with charts and custom hooks to track income, expenses, and monthly trends
- Achieved fast page loads with Next.js dynamic routing and caching optimizations

Personal Portfolio Website | React, JavaScript, Tailwind CSS

June 2025

- Designed and built a clean, responsive portfolio to highlight projects, skills, and coursework
- Implemented smooth scrolling, project galleries, and animated transitions to boost user engagement
- Deployed on Vercel with CI/CD workflows; averages 200+ monthly visits

FlickFinder – IMDb-Focused REST API | Java, SQLite, Javalin

May 2025

- Built a custom RESTful API to query movies, directors, ratings, and stars from a local IMDb dataset
- Implemented layered architecture with efficient SQL queries and route filtering
- Achieved sub-200ms average response time for common queries

Morse Code Decoder | C, Raspberry Pi, Breadboard

Nov 2024

- Wrote C programs to process pulse-width timing via GPIO interrupts, converting Morse code signals into readable alphanumeric output
- Enhanced Morse code decoding accuracy by 40% via iterative testing and signal threshold optimization

Skills

Programming Languages: Python, JavaScript, Java, HTML, CSS, SQL (MySQL)

Frameworks & Libraries: React, Node.js, Tailwind CSS, Supabase, Clerk

Developer Tools: Git, GitHub, VS Code, Vite, Vercel, MongoDB Atlas, Postman, Unity, Notion, Linux (user-level)

Soft Skills: Communication, Problem Solving, Teamwork, Time Management, Pair Programming

Certifications: Databricks Fundamentals Accreditation (2025), Young Enterprise Launchpad Challenge Finalist (2019)

Languages: English (Fluent), Tamil (Intermediate)