

SAI RAGHAVAN COMMANDUR

Aspiring Software Engineer | Student Ambassador

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EXPERIENCE

Code Tutor	Sept 2022 – Oct 2023
Code Ninjas	Reading, UK
<ul style="list-style-type: none">Taught 50+ kids (ages 7–14) coding fundamentals in JavaScript & Scratch; helped improve coding scores by 35%	
Software Engineer Intern	Jul 2021 – Apr 2022
Fujitsu	Reading, UK
<ul style="list-style-type: none">Led a team to prototype an accessible social media app for elderly users, prioritizing intuitive designBoosted student engagement by 42% by developing features for an AR/VR education platformStrengthened data security by implementing two encryption methods, reducing vulnerabilitiesRanked 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
<ul style="list-style-type: none">Built a full-stack budgeting app with per-user authentication via Clerk and Supabase JWTsImplemented Supabase Row-Level Security (RLS) policies to enforce secure, per-user data isolationDesigned responsive UI with charts and custom hooks to track income, expenses, and monthly trendsAchieved fast page loads with Next.js dynamic routing and caching optimizations	
Personal Portfolio Website React, JavaScript, Tailwind CSS	June 2025
<ul style="list-style-type: none">Designed and built a clean, responsive portfolio to highlight projects, skills, and courseworkImplemented smooth scrolling, project galleries, and animated transitions to boost user engagementDeployed on Vercel with CI/CD workflows; averages 200+ monthly visits	
FlickFinder – IMDb-Focused REST API Java, SQLite, Javalin	May 2025
<ul style="list-style-type: none">Built a custom RESTful API to query movies, directors, ratings, and stars from a local IMDb datasetImplemented layered architecture with efficient SQL queries and route filteringAchieved sub-200ms average response time for common queries	
Morse Code Decoder C, Raspberry Pi, Breadboard	Nov 2024
<ul style="list-style-type: none">Wrote C programs to process pulse-width timing via GPIO interrupts, converting Morse code signals into readable alphanumeric outputEnhanced 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
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)

EDUCATION

University of Surrey	Guildford, UK
BSc Computer Science	Sept 2024 - Present
<ul style="list-style-type: none">Predicted Degree Grade: First Class HonoursExpected Graduation Year: 2028Relevant Modules: Software Engineering, Data Structures & Algorithms, Web & Database Systems, Computer Logic, Programming Fundamentals, Operating Systems	