

Sai Raghavan Commandur

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Education

University of Surrey

BSc Computer Science (Hons)

Sept 2024 - Present

Guildford, UK

- Predicted Degree Grade: First Class Honours
- Relevant Courses: Software Engineering, Data Structures & Algorithms, Web & Database Systems, Operating Systems, Artificial Intelligence

Experience

Software Engineer Intern

Aug 2025 - Present

Remote, Canada

TidalTasks

- Redesigned the TidalTasks homepage using **React.js**, refactoring 12+ components and optimizing state management, improving page load speed by 25% and increasing user engagement across 50+ **active users**.
- Achieved a 20% reduction in server load implementing a **Python** script to parse and remove 150+ redundant API requests in the **Firebase** backend for per-user AI token tracking.

Web Developer

Jul 2025 - Present

Surrey CompSoc

Guildford, UK

- Delivered 7+ **new website features** including event pages, member resources, and committee announcements using **Next.js** and **JavaScript**, improving content accessibility and engagement for 150+ **society members**.
- Produced **Figma** prototypes for redesigned event flows, mobile layouts, and committee tools, incorporating stakeholder feedback during review cycles, reducing development rework and iteration time by 20%.

Code Tutor

Sept 2022 - Nov 2023

Code Ninjas

Reading, UK

- Achieved strong learner outcomes for 50+ **students**, improving assessment scores by up to 35% by delivering programming fundamentals through structured, clear, and client-oriented explanations.
- Increased project completion rates by 20% through structured, real-time debugging sessions using **Scratch**, **Python**, and in-platform IDE tools, helping students diagnose logic errors and stabilize incomplete features.

Software Engineer Intern

Nov 2022 - Apr 2023

Fujitsu

Reading, UK

- Placed in the **Top 3** out of 40+ **interns** as part of a cross-functional team developing an AR/VR learning prototype, contributing to feature exploration and usability testing.
- Acted in a technical consulting capacity by helping map platform objectives to feasibility constraints, reviewing proposed interaction concepts, and preparing material for stakeholder presentations.

Projects

GroupPot - Social Betting Platform

| Website | Source Code | React | JavaScript | NodeJS | MongoDB Atlas

- Developed and deployed a full-stack group betting platform with 40+ **beta users**, featuring custom settlement rules, real-time updates, and multi-user group flows.
- Utilized **MongoDB Atlas** for document storage, **Node.js** for a **RESTful API** backend, and **ReactJS** for the user interface

Budgetly - Finance Tracker

| Source Code | React | JavaScript | NextJS | Supabase

- Led the development of a budgeting app for 35+ **university students** using **React**, **PostgreSQL**, and **Next.js** REST APIs, enabling secure per-user expense tracking and receiving positive feedback from over 87% of testers for usability and clarity of insights.

Certifications

Oracle Cloud Infrastructure Foundations | Oracle Cloud AI Foundations | Databricks Fundamentals

Technical Skills

Programming Languages: Python, JavaScript, SQL, HTML, CSS

Developer Tools: Docker, Figma, IntelliJ IDEA, Linux, Git, GitHub, VS Code

Frameworks: ReactJS, NextJS, NodeJS, MongoDB Atlas