Sai Raghavan Commandur

+44 7933 454109 | r.commandur@gmail.com | linkedin.com/in/raghavcommandur
github.com/rxghavc | raghavc.dev | Maidenhead, UK

Education

University of Surrey **Expected Graduation: 2028**
BSc Computer Science (Hons) *Guildford, UK*

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

Experience

Software Engineer - Industrial Placement **Jul 2026 - Present**
Holiday Extras *Hythe, UK*

- Removed **100k+** lines of deprecated supplier-integration code from a critical booking service, consolidating booking actions through a central gateway and updating shared config, tests, and booking-storage endpoints.
- Shipped **5 backend/platform** changes to production within first 4 weeks, updating gateway API contracts and booking workflow routing; validated releases through local tests, staging bookings, and **Grafana** monitoring.

Software Engineer Intern **Oct 2025 - Jan 2026**
TidalTasks *Remote, Canada*

- Built a **Python** log analyser to profile **Firebase** API usage, identifying repeated request patterns and eliminating **150+** redundant database/cache calls to reduce backend overhead by **20%**.
- Improved homepage load speed by **25%** by refactoring **12+** React.js components, simplifying state management, and reducing unnecessary re-renders.

Web Developer **Aug 2025 - Aug 2026**
Surrey CompSoc *Guildford, UK*

- Delivered **7+** production features for a public society platform using **Next.js** and **JavaScript**, integrating database-backed event, member-resource and announcement workflows for **150+** members.

Projects

Dottify - Music Management Platform | *Source Code* **Python** | **Django** | **SQLite** | **Bootstrap** | **GitLab**

- Developed a full-stack **Django** web application with role-based authentication, permission-controlled access, RESTful APIs, and automated tests covering core functionality across models, views, and routing.
- Designed **SQLite**-backed data models, views and routing logic, adding automated tests covering authentication, permissions and database-backed functionality.

Skill Guide AI - IBM Z Datathon | *Source Code* **Python** | **HuggingFace** | **Jupyter Notebook** | **Pandas** | **Flask** | **FastAPI**

- Co-developed a Python data-processing workflow for an AI-driven upskilling platform, cleaning and transforming **1.6M+ records** with **Pandas** to support ML model experimentation.
- Used **HuggingFace** tooling to support skill-recommendation experiments, connecting processed dataset features with user-facing recommendation logic in a **React**-based prototype.

GroupPot - Social Prediction & Settlement Platform | *Website* | *Source Code* **React** | **JavaScript** | **NodeJS** | **MongoDB Atlas**

- Built and deployed a live group prediction and settlement platform for **50+** beta users, supporting private groups, custom rules, outcome tracking and automated settlement workflows.
- Implemented idempotent winner resolution and automated settlement logic using **Node.js** and **MongoDB Atlas**, with change-stream updates and **Jest** coverage for settlement edge cases.

Technical Skills

Languages: Python, SQL, JavaScript, TypeScript

Backend & Data: Django, Node.js, REST APIs, Pandas, SQLite, MySQL, MongoDB, Google BigQuery

Testing & Frontend: Automated testing, Jest, Playwright, React, Next.js

Tools & Platforms: Git, Docker, Linux, GitHub Actions, CI/CD, AWS, Grafana