

Aditya Chandrasekar

07553 312578 | adi@adityachandrasekar.com | [Github](#) | [LinkedIn](#)

PROFILE

Computer Science student at King's College London with experience developing commercial software, backend systems and data platforms for real-world clients. Experienced in REST APIs, systems integration, cloud-hosted applications and translating business requirements into production software. Passionate about building systems that combine multiple sources of information to improve decision-making under uncertainty.

EDUCATION

King's College London — BSc Computer Science

2024-2027

- Relevant modules: Data Structures & Algorithms, Software Engineering, Databases, Robotics (ROS), Foundations of Computing.

ON Campus London — Undergraduate Foundation Programme

2023 - 2024

- Subjects: Pure Mathematics, Physics, Skills for Science. **A*,A*,A.**

TECHNICAL SKILLS & LANGUAGES

- Programming Languages: Python, Java, C++, SQL
- Spoken Languages: English (Native), Tamil (Native), Hindi (Intermediate)
- Software Engineering: Data Structures, Algorithms, Object-Oriented Programming, System Design, Complexity Analysis
- Web Development: Django, SQL, REST APIs, HTML, CSS, JavaScript
- Systems & Tools: Linux / Ubuntu, Git, ROS, SQLite
- Automation & AI: Computer Vision, OCR, Large Language Models (LLMs), OpenAI API

COMMERCIAL EXPERIENCE

Deli Fresh ONE Platform: Client project

- Designed and developed a production management platform integrating data across retail, production and logistics.
- Built backend services and REST APIs in Python, integrating multiple external and on-premise systems and databases.
- Managed the complete development lifecycle, including Git/GitHub version control, Linux server configuration, deployment and ongoing maintenance.
- Deployed and maintained application services and databases using containerised/cloud infrastructure, troubleshooting software, networking and integration issues.
- Worked directly with directors, operational managers and third-party software vendors to diagnose technical requirements and deliver production solutions.

Delifresh Corporate Website

- Gathering requirements directly from stakeholders.
- Full website development and deployment.

PROJECT EXPERIENCE

Knox — Authenticity Verification System (Patent pending)

- Developed deterministic hashing and verification workflows.
- Implemented cryptographic signing and tamper verification.
- Designed immutable verification architecture suitable for digital chain-of-custody.
- Patent application pending for the core authenticity verification methodology.

Equities Macro Engine

- Combining heterogeneous datasets to improve prediction of potential S&P 500 outperformers and underperformers.
- Designing automated data pipelines for continuous market analysis.

Team Feedback 2.0 — Team Collaboration Feedback Platform

- Implemented backend services for a Django platform enabling structured peer feedback in team projects.
- Built user authentication and account management using Django's authentication system.
- Designed relational database models linking users, teams, projects, feedback, and ratings.
- Collaborated using Git feature branches and pull requests in a multi-developer workflow.