

Rayan Crasta - Software Developer Intern

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Summary

Motivated software developer with a solid foundation in software development, system design, and database management. Eager to contribute to innovative projects within collaborative team environments while enhancing technical skills. Seeking an internship opportunity to apply academic knowledge and gain hands-on experience in the software development lifecycle.

Work Experience

Mint People - Front of House Staff & Kitchen Porter (Part Time)

May 2024 – Aug 2024, UK

- Delivered exceptional customer service in restaurants and clubs, managing reservations, seating, and addressing inquiries.
- Assisted kitchen operations by maintaining cleanliness and supporting food preparation tasks.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

- Provided outstanding customer service at festivals and events, efficiently managing bar operations.

Royal Mail – Warehouse Operative (Part Time)

Nov 2023 – Dec 2023, Northampton, UK

- Efficiently loaded and unloaded shipments, sorted items to enhance workflow and productivity.

Tata Consultancy Services – Assistant Systems Engineer (Full Time)

June 2021 – Aug 2023, Mumbai, India

- Developed bash scripts to automate the hardening process of over 100+ Linux servers for compliance based on CIS benchmarks, saving 900+ hours of manual compliance work. Recognized with the “Best Team” award for this initiative.
- Conducted security analysis on Angular and Spring Boot codebases using Checkmarx and Fortify WebInspect, identifying and mitigating critical vulnerabilities.
- Integrated third-party antimalware and data tokenization solutions into existing architecture to enhance security.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, identifying and addressing vulnerabilities to enhance application security.

Qustac Technologies Pvt. Ltd - Android Development Intern (Part Time)

Mar 2020 – Jan 2021, Mumbai, India

- Developed an Android application using Android Studio and Java, integrating TensorFlow Lite for real-time classification of explicit and non-explicit images on Android devices.
- Implemented a machine learning model to facilitate automatic actions upon detecting explicit content in images.

Projects

TweetOps: Twitter-like Tweet Ingestion and Search Backend [Blog](#) | [GitHub](#)

- Created a backend prototype similar to Twitter using Go, FastAPI, Kafka, PostgreSQL, and

Elasticsearch.

- Managed a dataset of 500K tweets, categorized by language, ingested into Elasticsearch via Kafka for real-time search capabilities.
- Developed user and tweet search functionalities with pagination using PostgreSQL and Elasticsearch.

MyShowSeat: Booking Service Backend [Blog](#) | [GitHub](#)

- Developed a booking service backend using Go, Redis, and PostgreSQL, implementing seat checks and payment verification for user convenience.
- Utilized Go's concurrency features for asynchronous processing, maintaining data integrity with PostgreSQL.

Debate Management System (Dissertation Project)

- Designed a platform to manage structured debates in academic settings, incorporating real-time feedback and analytics.
- Built using React.js for responsive UIs and FastAPI for backend logic, along with PostgreSQL and MongoDB for storage.

Education

University of Leicester

MSc Cloud Computing (Sept 2023 - 2024)

Mumbai University

Bachelor of Engineering, Information Technology (2021), 9.42 CGPA

Skills

- **Languages:** Go, Python, FastAPI, Django, Bash, JavaScript, Java, ReactJS
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes, Openshift
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana, JIRA
- **Security:** Burpsuite, Checkmarx, WebInspect, OWASP ZAP
- **Soft Skills:** Team collaboration, Adaptability, Problem-solving, Effective communication, Time management