

Rayan Crasta - Software Development Intern

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Summary

Innovative software engineering student with a focus on system design, software development, and database management. Eager to leverage technical skills and collaborative mindset to solve complex business challenges and contribute to impactful projects at Amazon. Committed to delivering high-quality solutions through agile methodologies and cutting-edge technologies.

Work Experience

Primark - Retail Assistant

Nov 2024 – Present, UK

- Provided exceptional customer service by assisting shoppers, managing inquiries, and facilitating transactions in a fast-paced retail environment.
- Maintained an organized sales floor, ensuring stock levels were replenished and displays met company standards.
- Efficiently handled point-of-sale transactions and resolved customer concerns to enhance the shopping experience.

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

May 2024 – Aug 2024, UK

- Delivered customer service in restaurants and clubs, managing reservations, seating, and inquiries.
- Supported kitchen operations through dishwashing, food prep, and maintaining cleanliness.

Hap Solutions - Festival and Bar Staff (Part Time)

June 2024 – Aug 2024, UK

- Provided excellent customer service at festivals and managed bar operations effectively.

Tata Consultancy Services – Assistant Systems Engineer (Full Time)

June 2021 – Aug 2023, Mumbai, India

- Developed bash scripts to automate compliance hardening for over 100 Linux servers, saving 900+ hours of manual compliance efforts; recognized with the “Best Team” award.
- 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 the existing architecture.
- Performed manual web application security testing using OWASP ZAP and Burpsuite, enhancing 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, incorporating TensorFlow Lite for real-time classification of explicit and non-explicit images.
- Streamlined a machine learning model to enable automatic actions upon detecting explicit content within images.

Projects

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

- Created a Twitter-like backend prototype using Go, FastAPI, Kafka, PostgreSQL, and Elasticsearch, managing a dataset of 500K tweets.
- Implemented real-time tweet search and ingestion capabilities while ensuring efficient user and tweet search functionalities.

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

- Developed a booking service backend using Go, Redis, and PostgreSQL, focusing on high-traffic scenarios and user experience optimization.
- Employed Go's concurrency for asynchronous processing and implemented JWT token-based authentication for secure access.

Debate Management System (Dissertation Project)

- Designed a platform for managing structured debates in academic settings, incorporating gamification and real-time feedback.
- Utilized React.js for responsive UIs and FastAPI for backend logic, with PostgreSQL for authentication and MongoDB for debate 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, Java, JavaScript, ReactJS, Bash
- **Databases:** PostgreSQL, MongoDB, Redis
- **Infra:** Linux, Docker, Kubernetes
- **Tools:** Kafka, Elasticsearch, Prometheus, Grafana
- **Security:** Burpsuite, Checkmarx, OWASP ZAP
- **Soft Skills:** Team collaboration, Problem-solving, Adaptability, Effective communication