

ROHIT MAAN

+1 (479) 844-1635 | rohitmaan2012@gmail.com | [Linkedin](#) | [GitHub](#) | [LeetCode](#)

WORK EXPERIENCE

Cyber Florida

SOC Analyst - Graduate Student Assistant

Tampa, Florida, United States

January 2025 - May 2025

- Collaborated on the Drones project at Cyber Florida at USF (The Florida Center for Cybersecurity).
- Examined real-time alerts using SIEM tool Splunk to detect potential threats.
- Analyzed packet-level data across TCP/IP layers for TCP anomalies, port scans, and ICMP irregularities.
- Performed network log forensics using IP, subnetting, and routing patterns to trace IOCs and identify sources.

British Telecommunications Group

Software Engineer II

Bengaluru, Karnataka, India

December 2023 - July 2024

- Worked as part of EE team at BT Group, providing the most reliable broadband and mobile network.
- Enhanced the functionalities such as product inventory management and payment gateways under customer and order-basket capabilities resulting in 68% increase in company's monthly revenues.
- Spearheaded comprehensive code reviews, identifying & addressing critical issues that improved overall system reliability and reduced bug reports by more than 30% in production environments.
- Utilized Swagger tools like OpenAPI to design, describe and document APIs on open-source editor.
- Transformed the codebase into modular and reusable components via utility classes.

Deloitte USI

Software Engineer

Gurugram, Haryana, India

May 2022 - July 2023

- Developed Deloitte's insurance web application **InsurCloud** which provides end-to-end insurance transactions.
- Designed scalable and robust microservices based on java spring boot following SOA which is integrated with distributed networks in a cloud based infrastructure (AWS).
- Deployed application containers with Docker and integrated them with Jenkins to enhance CI/CD scalability.
- Incorporated web sockets enabling live data streaming with latency ~40ms, supporting 10K+ concurrent connections, ultimately driving 25% increase in retention rates.
- Leveraged tools like Redis and Kafka for faster data processing, sustaining throughput of over 1M msg/sec.
- Implemented rate limiting using token bucket algorithm to provide throttling on number of REST API calls.

Junior Software Engineer

May 2021 - May 2022

- Optimized the REST APIs performance by debugging which reduced the API response time by 2/3rd.
- Monitored API performance metrics in Grafana dashboard.
- Added the Resilience4j circuit breaker, which impacted the load balancing and improved performance by 23%.
- Wrote JUnit test cases using Mockito which led to overall increase in code coverage from 50% to above 85% and removed code smells reflecting under Sonar.

PROJECTS

• Parkinson Disease Detection | Python, TensorFlow, PyTorch

Implemented machine learning algorithms which detect parkinson in early stages on the basis of biomarkers extracted from audio signals with 88% accuracy. Deployed in Cloud Azure. Stored data in MongoDB.

• [Smart Email Assistant](#) | Javascript, Java, React, Material UI, Spring Boot

Built an AI-powered Chrome extension integrated with Gmail to auto-generate email replies based on message tone and context using Google's Gemini API, reducing email response time by ~70%.

TECHNICAL SKILLS

- **Languages:** Java, C#, Javascript, C++, SQL, HTML, CSS
- **Frameworks:** Spring Boot, JPA, JUnit, MongoDB, PostgreSQL, React, NodeJS, .Net
- **Tools:** AWS, JIRA, Kafka, Redis, Docker, Git, Kubernetes

EDUCATION

University of South Florida

Master of Science in Artificial Intelligence and Analytics; GPA: 3.83/4.0

Tampa, Florida, United States

August 2024 - December 2025

Coursework: Systems Design and Analysis, Application Development, Machine Learning, Database Management Systems

Maharaja Surajmal Institute of Technology

Bachelor of Technology in Electronics and Communications Engineering; GPA: 3.7/4.0

Delhi, India

August 2016 - October 2020

Coursework: Data Structures, Operating Systems, Object Oriented Programming