

Sai Rohini Yarlagadda

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EDUCATION

University of Texas at Dallas

May 2023

Master of Science in Computer Science (Data Science)

Richardson, TX

- **Relevant Coursework:** Data Structures and Algorithms, Machine Learning, Database Design, Big Data Management

Gandhi Institute of Technology and Management (GITAM)

April 2019

Bachelor of Technology in Computer Science

Visakhapatnam, Andhra Pradesh

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, Typescript, C, Go, SQL

Web Technologies: HTML, CSS, Bootstrap, RESTful APIs, XML, JSON

Frameworks/Libraries: React, Redux TK, ExpressJS, NodeJS, NextJS, jQuery, Spring Boot, AJAX, JUnit, JWT, OAuth 2.0

Java/J2EE Technologies: JSP, Servlets, JDBC, Web Services (SOAP, JAX-RS, JAXB, XSD), Log4j, Java Swing

Developer Tools: Eclipse, IntelliJ, Git, GitHub, Visual Studio Code, Postman, Jira, Maven, MySql Workbench, Git, Google Cloud Platform, Amazon Web Services, Azure DevOps

Databases: SQL, MongoDB, PostgreSQL

Other: Azure DevOps, Docker, Kubernetes, Jenkins, S3, Git, IAM, EC2, AWS Lambda

EXPERIENCE

Crypto Track LLC

Oct 2023 – present

Full Stack Software Engineer

Plano, TX

- Architected and developed scalable REST APIs using Java, Spring Boot, and MySQL to power blockchain analytics, wallet investigations, transaction tracking, threat intelligence, and investigative reporting.
- Built interactive analytics dashboards using React and TypeScript, Redux Toolkit, enabling investigators to search wallet addresses, trace cryptocurrency transactions, visualize wallet relationships, and analyze suspicious transaction flows.
- Optimized backend processing, database queries, and frontend rendering, reducing server response times by 30% and page-load times by 35%.
- Built an AI-powered Graph Intelligence Assistant using LLM APIs, and blockchain graph data to generate source-linked transaction summaries, identify high-risk counterparties and exchange touchpoints, and recommend next investigative hops, reducing graph-analysis time by 40%.
- Implemented secure API authentication and role-based access control using Spring Security and JWT to protect investigative data and enforce user permissions.
- Conducted code reviews and automated CI/CD release workflows while participating actively in Agile methodologies, including sprint planning and daily standups.

Tata Consultancy Services Limited

April 2019 – July 2021

Software Engineer

Hyderabad, Telangana

- Created and deployed multiple Rest API's leveraging Spring Boot to facilitate the submission of annuity orders for customers.
- Migrated a server-side web application for a US based Bank client, using Angular framework for the UI, Java, and Spring Boot for back-end micro-services, multiple REST API calls, improved performance to 80%.
- Bolstered application security by 90% through mitigation of cryptography vulnerabilities, deployment of data encryption protocols, and utilization of obfuscation techniques to safeguard against XSS attacks.
- Conducted thorough code reviews and granted approval for pull requests before merging code into the mainline branch of the repository.
- Orchestrated file management and oversaw project releases utilizing CI/CD pipelines on Azure DevOps Server
- Led a team of four developers and mentored an intern before on-boarding to development team.

PROJECTS

Generative AI Knowledge Assistant |

- Built a RAG pipeline using FAISS and open-source LLMs, deployed on AWS with a lightweight API for real-time Q&A over indexed documents, improving answer quality through retrieval tuning.

Secure File Exchange Using Cloud | Python, HTML, CSS, AWS

- Devised a web app for secure file management and incorporated features including encrypted file storage S3 buckets, password updates for security, and advanced file retrieval via user-entered tags. AWS EC2, built encryption and decryption architecture, AWS cloud-based deployment, AWS Console.