

Kiranmai Chigarakula

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EDUCATION

Texas A&M University - Kingsville

JAN 2023 – MAY 2024

Master of Science in Computer Science

Sreenivasa Institute of Technology and Management Studies, AP, India

JUN 2016 – SEP 2020

Bachelor of Technology in Computer Science and Engineering

SKILLS

Programming Languages: Java, C

Web Technologies: TypeScript, HTML, CSS, JavaScript

Frameworks: Spring, Spring Boot, Spring JPA, Spring Security, Hibernate, Maven, JUnit, Mockito, Angular.

Databases: SQL Server, H2, MySQL, MongoDB.

Cloud Technologies: AWS Core Services – S3, EC2, RDS, Lambda, CloudWatch, IAM, Elastic Beanstalk.

Developer Tools: GIT, Postman, Jenkins, SonarQube, JIRA, Swagger API, Log4j, GitHub, VS code, Eclipse.

WORK EXPERIENCE

Java Software Engineer Intern – Oriana

JAN 2020 – MAR 2020

- Developed a HealthCare Administration System in Java for online appointment and booking via user registration, employing JSP and Servlets for web development.
- Created block diagrams and logic flow and rigorously tested and debugged web applications to ensure project requirements and functionality adherence.

Jr Software Engineer – Cognizant Technology Solutions, India

DEC 2020 – DEC 2022

- Led agile SDLC cycles, ensuring timely delivery of high-quality tracking systems and translating requirements into technical specifications.
- Implemented and troubleshooted Java and Spring Boot authentication services, enhancing security protocols.
- Designed secure, public-facing interfaces using Angular and JavaScript.
- Maintained robust databases, resolved production issues, and adhered to microservices architecture and REST API principles.
- Improved code quality with rigorous unit testing, increased coverage, and reduced sonar issues to below 5%.
- Automated build, test, and deployment processes using Maven, Jenkins, and Sonar.
- Optimized high-availability applications, proving performance by 60% and enhancing scalability and reliability.
- Worked end-to-end with artifacts extracted from legacy mainframe technologies (COBOL, JCL), processing data and optimizing workflows to ensure efficiency.

Graduate Research Assistant – Texas A&M University, Kingsville, TX

MAY 2023 – JUL 2023

- Conducted detailed analysis of various malware types using advanced tools such as Wireshark and Cuckoo Sandbox, contributing to proactive threat mitigation strategies.
- Assisted in developing malware analysis and detection methodologies, enhancing organizational capabilities in threat identification.

PROJECTS

Tweet Connect

MAR 2022 – JUN 2022

GitHub Link: <https://github.com/KiranmaiReddy14/My-Workspace/tree/main/TweetApp>

- Developed a comprehensive tweet application, facilitating user account creation, secure signing-in, tweet posting, and deletion functionalities.
- **Skills:** Angular, Java, Spring Boot, MongoDB, Spring Security

Medi Refill Portal

JAN 2021 – MAR 2021

GitHub Link: <https://github.com/KiranmaiReddy14/My-Workspace/tree/main/webportal>

- Designed and developed Medi refill Portal, a user-friendly application for browsing and refilling prescriptions.
- **Skills:** Java, Spring, Spring Boot, Spring Security, JSP

Car Control Arduino

AUG 2019 – SEP 2019

- Built a Bluetooth-enabled robotic car using Arduino, enabling control via voice commands and mobile devices.