

# DIVAKARA RAO ANNEPU

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## EDUCATION

### Master of Engineering in Computer Science

Virginia Tech

August 2023 - May 2025

FallsChurch, USA

**Coursework:** Software Engineering, Cloud Computing, Elements of AI, Machine Learning, Artificial Intelligence

### Bachelor of Technology in Computer Science

Jawaharlal Nehru Technological University

June 2017 - June 2021

Kakinada, India

**Coursework:** Operating Systems, Computer Networks, Web Application Development, Machine Learning.

## EXPERIENCE

### Software Engineer

Accolite Digital Pvt Ltd India

September 2021 - July 2023

Hyderabad, India

- Directed a team of 5 in executing and delivering release cycles; enhanced the Common Web Framework project by optimizing Spring Security and improving session management.
- Developed and maintained mission-critical data modeling tools, including ErStudio and DbStudio, by implementing REST APIs using Java and Spring Boot, with over 50 endpoints created to support seamless data operations.
- Implemented a secure database connectivity framework for an enterprise web application utilizing the TLS 2.0 handshake and Oracle wallets, bolstering data protection and reliability, reducing data breaches by 35%.
- Mitigated 35+ cross-site scripting vulnerabilities within the application, significantly enhancing overall security measures.
- Optimized the database purge process by implementing partitioning strategies and managing temporary table deletions, effectively handling purge tables of up to 80GB in size.
- Integrated and maintained CI/CD pipelines using Jenkins, enabling automated build, test, and deployment processes, reducing deployment time by 50%.
- Designed and built a comprehensive trial license system using Spring (backed), React.js (front-end) and Redux for state management. This system automated the licensing creation process, improving operational efficiency by 40%.
- Orchestrated 5+ CRON jobs that automate license expiration, account expiration notifications, and data deletion tasks.
- Refined the search functionality for data tables across the application, enhancing search efficiency by 30% for faster data retrieval using SQL and Java.

## PROJECTS

### Unianv: Uninversity Navigation 🌐 | React, Springboot, MongoDB, Bootstrap, AWS S3

- Developed key features for the Uninav application, using React and Spring Boot to provide seamless campus navigation and event management, serving thousands of users efficiently.
- Engineered real-time event tracking and RSVP functionalities, enhancing user interaction and streamlining event participation across the campus.

### Caring Plates 🌐 | Java, Spring Boot, ReactJs, MsSQL

- Designed a web application using Java and Spring Boot that connects restaurants with surplus food to NGOs and individuals to facilitate food donation and reduce wastage. Enabled real-time listing and claiming of food items, reducing food wastage by 40%.

### E-Commerce Bookstore Platform 🌐 | Java, Spring-boot, ReactJs, MsSQL

- Created an e-commerce platform for a bookstore, allowing users to browse and purchase from a collection of more than 10,000 books in multiple genres. The platform features a secure and efficient checkout process, ensuring a seamless user experience.

## PROGRAMMING SKILLS

- **Languages:** Python, Java, C, C++, JavaScript, HTML5, CSS, SQL, Shell Scripting
- **Frameworks:** MongoDB, REST APIs, Spring-boot, dependency injection, Micro-services, Spring Data JPA, Django, ReactJs, Hibernate, Junit, Mockito, Redis, MySQL, JDBC, GraphQL, OAuth 2.0 / JWT, Maven, Gradle.
- **Technologies:** AWS, Docker, Git, Agile Methodologies, Jenkins, Linux, Figma, CI/CD pipelines, Multithreading & Concurrency, Exception Handling & Debugging, Design Patterns, Distributed systems.