ABHILASH REDDY

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Education

2025 (expected) **TEXAS TECH UNIVERSITY** **LUBBOCK, TX**
Candidate for Master of Science in Computer Science (M.S.C.S.) | GPA: 3.875
Relevant Courses: Operating Systems, Data Structures, Algorithms, Artificial Intelligence, Software Methodology

2019 **HINDUSTAN UNIVERSITY** **CHENNAI, INDIA**
Bachelor of Technology (B. Tech) in Mechanical Engineering

Technical Skills

Programming (Java, JavaScript, Python, SQL) | Frameworks (Spring Boot, React JS, Pandas) | Database Management (PostgreSQL, MySQL, SQLite) | DevOps & Cloud Tools (Kubernetes, Docker, Red Hat OpenShift, Jenkins, AWS Cloud Practitioner, Kafka) | Version Control (Git) | Testing & Monitoring (JUnit, Splunk, Kibana) | Platforms & Development Environments (Visual Studio Code, Eclipse, IntelliJ IDEA, PyCharm) | Data Structures & Algorithms | API Development & Integration | Software Development Life Cycle (SDLC) | Performance Optimization | Automation | Data Analytics | Problem Solving & Debugging | Technical Documentation

Experience

2022 - 2023 **AMDOCS** **PUNE, INDIA**
Software Developer
Developed and deployed software solutions at Amdocs, a leader in software and services for media companies.

- Developed intermediate layer for NextG CORE product using Java, Spring Boot, and Postgres, improving data capture efficiency and facilitating seamless communication between digital and order management systems.
- Spearheaded data migration project for T-Mobile, ensuring accurate transfer and storage of customer data across legacy and new systems, preserving data integrity, and enhancing onboarding experience for new customers.
- Created REST APIs to monitor application fallout orders and automate ticket generation for support teams, improving issue visibility and accelerating response times for enhanced user experience.
- Implemented an automated retry mechanism for network issues in-store, reducing manual intervention and support ticket generation by 30%, optimizing in-store service operations.
- Translated user requirements into software solutions by designing, coding, modifying, and deploying applications, ensuring alignment with client needs and delivering solutions that met project objectives.
- Deployed APIs on Red Hat OpenShift Container Platform (OCP), ensuring seamless integration and compatibility within testing environment, reducing deployment time, and minimizing integration errors.
- Presented product features and benefits to clients such as Syntel and Vodafone, effectively demonstrating application capabilities and driving significant increase in customer engagement.

2020 - 2022 **ACCENTURE** **PUNE, INDIA**
Application Development Analyst
Developed and optimized database solutions at Accenture, a global professional services company.

- Engineered multiple REST APIs using Java and Spring Boot, enabling efficient data retrieval for web-based applications and enhancing the management of vehicle-related information systems.
- Enhanced database performance by optimizing SQL queries, eliminating redundant data retrieval, and implementing caching, significantly reducing query execution time and improving system responsiveness.
- Facilitated collaboration among 80+ cross-functional team members, including Java, .NET, ticket support, and SQL database teams, to align technical solutions with client needs, driving project success and innovation.
- Led production support by resolving 100+ QAT and production defects daily, using JIRA for tracking and Splunk for log analysis, minimizing downtime, and ensuring smooth post-deployment operations.

Academic Projects

2024 **LIBRARY MANAGEMENT SYSTEM**
Course: Advanced Database Management

- Engineered interactive library management system with high security, integrated payment processing, online book access, customer-admin messaging, and PDF viewability.
- *Technologies: Java, JavaScript, ReactJS, Bootstrap, Stripe, Okta, CSS, MySQL*

2023 **MEMORY ADDRESS TRANSLATOR**
Course: Operating Systems

- Developed memory address translator web application that converts memory addresses between virtual and physical formats, featuring automatic error correction for enhanced accuracy and user comprehension. Displays all necessary tables for respective values and provides converted addresses in hexadecimal and binary formats.
- *Technologies: JavaScript, HTML, CSS*