LAKSHMI CHERITHA RACHAMREDDY

+91 7036788532 lakshmicharitha7051@gmail.com LinkedIn GitHub Portfolio

OBJECTIVE

A versatile B.Tech graduate with a strong foundation in computer science fundamentals and software development principles. Proficient in Java, Python, SQL, and web technologies, with a keen interest in Full Stack Development. Looking for a full-time role in full-stack development to apply my technical skills, contribute to meaningful projects, and grow in the field of software development.

EDUCATION

B.Tech in Artificial Intelligence and Data Science, AITS, Tirupati — **2020 - 2024**
CGPA: 8.87/10 — AP, India

Intermediate (MPC), RAO's Junior College, Nandyal — **2018 - 2020**
CGPA: 8.73/10 — AP, India

10th, SKG Oriental High School, Proddatur — **2017 - 2018**
CGPA: 9.6/10 — AP, India

SKILLS

Programming Languages	Java, Python
Front-End Development	HTML, CSS, JavaScript
Back-End Development	Spring Boot, Hibernate, JDBC
Databases	MySQL,
Developer Tools	Git/GitHub, Docker, Eclipse, VS Code,
Certifications	Applied Cloud Computing for Software Development (TechSaksham) | Java Mastery (Eduinx) | The Joy of Computing Using Python (NPTEL) | Artificial Intelligence, Cloud Computing (Wipro) | (View)

PROJECTS

SongVerse - Music Application

- Designed and developed "SongVerse," a Java-based full-stack music web application using Spring Boot, HTML/CSS, and MySQL, incorporating RESTful APIs for efficient frontend-backend interaction.
- Implemented key features like user authentication and payment gateway integration, ensuring secure transactions and reliable system performance.
- Optimized music streaming efficiency, achieving a 20% performance improvement through advanced architectural design and thoughtful optimization. (Project Link)

Bank Management System

- Developed a robust Banking Management System using Java, MySQL, and JDBC to enable efficient management of bank accounts.
- Implemented seamless CRUD operations for account creation, updates, and transaction tracking.
- Streamlined transaction processing with efficient database design and connectivity logic, resulting in 15% faster data retrieval. (Project Link)

Predicting Urban Water Quality by Using Machine Learning

- Developed a predictive model for urban water quality forecasting using the Random Forest Regression algorithm in Python, achieved over 90% prediction accuracy.
- Built a dynamic web application leveraging HTML, CSS, JavaScript, React, and Flask to enhance user engagement.
- Integrated MySQL for efficient database management, reducing query execution time by 25% for seamless data storage and retrieval. (Project Link)