LAKSHMI CHERITHA RACHAMREDDY

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OBJECTIVE

A versatile B.Tech graduate in Artificial Intelligence and Data Science with a strong foundation in computer science fundamentals and software development principles. Proficient in Python, Java, SQL, Web technologies, and ML libraries, with a keen interest in building scalable, end-to-end solutions and RESTfull APIs. Looking for a full-time software engineer role to apply my technical expertise and problem-solving skills while contributing to innovative projects in a dynamic environment.

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, C
Frontend Development	HTML, CSS, JavaScript, React.js
Backend Development	Spring Boot, Hibernate, JDBC
Databases	MySQL
Tools / Frameworks	Git/GitHub, Docker, Postman, Eclipse, VS Code

PROJECTS

SongVerse - Full Stack Music Application

- Developed "SongVerse" a full stack music web application in Java, Spring Boot,HTML/CSS, and MySQL, using RESTful APIs for seamless interaction between the frontend and backend.
- Implemented key features such as user authentication, music exploration, playlist creation, and payment gateway integration, ensuring secure transactions and reliable system performance.(Project Link)

Bank Management System

- Developed a robust Banking Management System using Java, MySQL, and JDBC, implementing efficient CRUD operations for account creation, updates, and transaction tracking.
- Streamlined transaction processing with efficient database design and connectivity logic, resulting in 15% fast 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 using HTML, CSS, JavaScript, MySQL, React, and Flask to enhance user engagement. (Project Link)

CERTIFICATIONS

- Java Full Stack Development (Eduinx)
- Applied Cloud Computing for Software Development (TechSaksham)
- The Joy of Computing Using Python (NPTEL)
- Python Programming and Web Development Using Django (APSSDC) (View)