

# LAKSHMI CHERITHA RACHAMREDDY

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## 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>B.Tech in Artificial Intelligence and Data Science</b> , AITS, Tirupati CGPA: 8.87/10	<b>2020 - 2024</b> AP, India
<b>Intermediate (MPC)</b> , RAO's Junior College, Nandyal CGPA: 8.73/10	<b>2018 - 2020</b> AP, India
<b>10th</b> , SKG Oriental High School, Proddatur CGPA: 9.6/10	<b>2017 - 2018</b> AP, India

## SKILLS

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

## 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](#))