

MALIPEDDI SEKHAR

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EDUCATION

GMR Institute of Technology

Bachelor of Technology in Computer Science & Engineering (AI & ML) – CGPA: 8.10

Rajam, Andhra Pradesh

Expected 2027

Diviseema Polytechnic College

Diploma in Computer Science & Engineering – CGPA: 8.7/10

Andhra Pradesh

2021 – 2024

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, SQL

Web Technologies: Spring Boot, React.js, REST APIs, HTML5, CSS3, Node.js

Databases: MySQL, MongoDB, Database Design, Query Optimization

Developer Tools: Git, GitHub, Maven, VS Code, IntelliJ IDEA, Postman

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, System De

PROFESSIONAL EXPERIENCE

Java Full Stack Developer Intern

Remote

Web Development Internship

2024 – 2025

- Developed and deployed scalable full-stack web applications using Spring Boot backend and React.js frontend with MySQL database integration
- Designed and implemented RESTful APIs following industry best practices, focusing on performance optimization and secure authentication
- Collaborated in agile development environment using Git/GitHub for version control and code reviews
- Applied software engineering principles including clean code practices, debugging, testing, and comprehensive documentation

PROJECTS

Campus Connect – Intelligent College Management System

Spring Boot | React.js | MySQL

- Built comprehensive academic management platform serving 1000+ students and faculty with role-based access control and secure authentication
- Designed normalized MySQL database schema ensuring data integrity, ACID compliance, and optimized query performance
- Developed key features: student registration system, automated attendance tracking and analysis, dynamic timetable management, result publishing module, and administrative analytics dashboard

Student Performance Prediction System

Python | Scikit-learn | Pandas | Matplotlib

- Developed machine learning solution achieving 85% accuracy in predicting student academic performance using historical data
- Implemented data preprocessing pipeline handling 500+ student records with feature engineering and missing value imputation
- Trained and evaluated multiple regression models (Linear Regression, Random Forest, Gradient Boosting) comparing performance metrics

CERTIFICATIONS

- Google Analytics Certification – Google (2025)
- Full Stack Web Development – Udemy (April 2025)
- Python Programming Fundamentals – Infosys Springboard (February 2025)

ADDITIONAL INFORMATION

Research Interests: Machine Learning & Artificial Intelligence, Data Science & Analytics, Distributed Systems, Algorithm Optimization, Intelligent Systems for Real-World Problem Solving.

Strengths: Strong analytical and problem-solving abilities, quick learner with research-oriented mindset, effective communicator and team collaborator, passionate about working on large-scale challenges and continuous learning