Akhil Reddy Ganta

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SUMMARY

Information Technology student with strong foundations in programming, databases, and web development. Skilled in Java, SQL, Spring Boot, and React.js with full-stack project experience. Active ACM member with leadership exposure, aspiring to build efficient and scalable applications as a Software Engineer.

SKILLS

Technical Skills	C , JavaScript , Python, Java, Data Structures and Algorithms (DSA), HTML, CSS, WordPress
Frameworks	React, Node.js, Springboot
Tools and IDEs	Git, GitHub, JetBrains IDEs
Databases	MySQL, MongoDB Atlas
Core Strengths	Problem Solving, Team Collaboration, Time Management, Leadership

PROJECTS

AI Personalized Learning Path Generator   GitHub Repo

Designed and developed an AI-powered system that generates personalized and adaptive learning paths for students.
Key features include:

- **Gemini API Integration** – Generates personalized recommendations using Google's Gemini model
- **Skill Analysis Engine** – Evaluates user level and learning speed
- **Dynamic Path Generation** – Continuously adapts learning paths based on performance
- **Python (FastAPI) Backend** – Handles AI requests, assessments, and analytics
- **React Frontend** – Delivers an intuitive and interactive user interface
- **Progress Tracking** – Updates learning recommendations in real-time

Hospital-Management-System   Link to Demo

Designed and developed a comprehensive application to streamline hospital operations.
Key features include:

- Patient registration, appointment scheduling and medical records management
- **User (patients)** – Register online, book appointments, and access medical history
- **Doctor** – Manage patient records, prescriptions, and schedules
- **Admin** – Oversee hospital operations, staff management, and reporting

EDUCATION

2023 - present	B-Tech at **Vasireddy Venkatadri Institute of Technology**	(CGPA: 8.86/10)
2021 - 2023	Class 12th at **Narayana Junior College**	(GPA: 9.58/10)
2021	Class 10th at **Narayana High School**	(GPA: 10.0/10)

ACHIEVEMENTS & CERTIFICATIONS

- Programming in Java Certification – NPTEL
- Joy of Computing Using Python Certification – NPTEL
- Java Certification – Infosys Springboard
- Selected for Internal Hackathon (College Round), Smart India Hackathon 2025
- Active Member of Association for Computing Machinery (ACM)