

NIMMALA MANOHAR

Full Stack Developer

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PROFILE :

Hardworking engineering student and intern with a passion for learning and skill enhancement. Goal-oriented, adept at problem analysis, adaptable to change, and thrives under pressure. Committed to leveraging skills for career growth.

TECHNICAL SKILLS :

Programming Languages:

- Python
- Java
- JavaScript

Technologies:

- Web Development(Javascript ,HTML ,CSS)
- MERN(MongoDB,Expressjs,React,Nodejs)
- SQL (PostgreSQL,MySQL)

Other Skills:

- Data Structures & Algorithms (DSA)
- Git & Git Hub
- Docker
- AWS Cloud
- Fast Api
- Flask

Soft Skills:

- Strong Communicator
- Presentation Skills
- Team Leadership
- Quick Learner
- Creative Problem Solving

EDUCATION :

Btech In AIML

Sri Vasavi Engineering College Tadepalligudem
(8.2 CGPA)

Diploma In Mechanical

Sri Vasavi Engineering College Tadepalligudem
(8.95 CGPA)

Secondary School of Certification

P.R.Z.P high school, Adavikolanu
(9.7 CGPA)

ACHIEVEMENTS :

- First Prize in Engineers Day Event (Sept 15, 2023)
- Active participant in school and college events

PROJECTS :

1.Automated Context-Based Chat bot Creation Application

- **Overview:** Developed a fully automated application for creating, managing, and deploying context-based chatbots, integrating custom data for enhanced responses.
- **Key Technologies:** Leveraged Large Language Models (LLMs) with Retrieval-Augmented Generation (RAG) for custom data integration.
- **Frontend:** Built with React and Tailwind CSS for a responsive and intuitive user interface.
- **Backend:** Implemented using Node.js and Express, with MongoDB for managing user data.
- **Data Handling:** Utilized Pinecone vector database for RAG pipelines and Gemini vector embeddings model to convert text data into vectors, ensuring precise data retrieval.
- **LLM Integration:** Integrated Gemini as the LLM to power chatbots with contextually retrieved data.
- **Deployment:** Deployed user-specific chatbots on AWS ECS, with AWS ECR serving as the repository for Docker images.
- **GitHub:** <https://github.com/Manohar-1-2/chatbot-RAG->

2.Online Database Hosting Platform

- **Overview:** Developed an online platform for hosting PostgreSQL databases as a service, providing users with scalable and reliable database solutions.
- **Backend:** Built a robust RESTful API using Python FastAPI, ensuring efficient communication between the frontend and backend.
- **Database Management:** Utilized PostgreSQL for managing user data and implemented Python SQLAlchemy as the ORM (Object-Relational Mapper) for seamless database interactions.
- **Containerization:** Deployed and managed user databases using Docker containers, enabling efficient resource management and isolation.
- **GitHub:** <https://github.com/Manohar-1-2/DBdocks>

CERTIFICATIONS :

- AWSAcademyGraduate(AWSAcademyCloudArchitecting–Amazon)
- AWSAcademyGraduate(AWSAcademyCloudFoundations–Amazon)

LINKS :

- **GitHub:** <https://github.com/Manohar-1-2/>
- **Linkedin:** <https://www.linkedin.com/in/manohar-nimmala-3b308413a/>

KNOWN LANGUAGES :

- English
- Telugu