VENUGOPAL MURALA

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EDUCATION

Narayana Engineering college   Nellore, India
Bachelor of Technology(B.tech); Percentage: 75%   **June 2018 - August 2022**
Sri Surya Junior College   Nagari, India
Intermediate; Percentage: 90.8%   **June 2016 - August 2018**

SKILLS SUMMARY

- **Languages**:   Python, SQL,
- **Frameworks**:   Django, Flask, Fast Api, NumPy, Pandas, Matplotlib, Seaborn, Langraph, langchain
- **Tools & Technologies**:   AI Agents, Data science, Finetuning, Django Rest Framework, MySQL, SQLite.
- **Platforms**:   PyCharm, Visual Studio Code, Google Colab
- **Soft Skills**:   Problem Solving, People Management, Excellent communication

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WORK EXPERIENCE

PYTHON DEVELOPER | Asset Telematics Pvt. Ltd   **March 2025-April 2025**
PROJECT: OCR Data Extraction
- o   Worked on a Human Resource Management System where employees upload documents such as Passport, Driver's License, and Emirates ID during onboarding.
- o   Integrated Google's Large Language Model (LLM) APIs to extract structured data (Name, DOB, Nationality, ID numbers, Expiry dates, etc.) from uploaded documents.
- o   Developed and maintained backend services using Fast API with secure data handling and MongoDB integration.
- o   Tech Stack: Python, Fast API, Google LLM API, MongoDB, REST APIs.

PROJECT: Object Detection & Face Matching System   **March 2025**
- ○ Developed a face detection and matching system using Fast API for a theme park photo retrieval application.
- ○ Built a pipeline to match face embeddings from images using Insight Face and index them in Milvus for similar search
- ○ Assigned a unique Face ID to each individual to ensure precise tracking and photo retrieval.
- ○ Enabled instant photo matching at user exit by comparing input images with stored embeddings in the vector database.
- ○ Tech Stack: Python, Fast API, Milvus, Insight Face (buffalo_l), Face Embeddings, REST APIs, Vector Search.

PYTHON DEVELOPER | Paccs office | 2.3 yrs   **November 2022- February 2025**
- ○ Developed secure login, authentication systems, and database models using Django to streamline user access and data management.
- ○ Designed and implemented physiotherapy-related modules, therapist assignments, and patient progress monitoring.
- ○ Managed backend operations and implemented efficient CRUD functionalities for the admin dashboard, ensuring smooth workflow management.
- ○ Integrated LLMs to auto-generate discharge summaries, boosting speed and accuracy.
- ○ Built and integrated RESTful APIs to support scalable web functionalities and third-party integrations.

PROJECTS

AI Voice Calling Assistant for Debt Collection| LINK   **December23- February 2024**
- ○ Built an AI-powered voice assistant using Flask, Vapi.ai, and Twilio to automate real-time customer calls for debt collection.
- ○ Integrated Excel and MongoDB to manage customer records.
- ○ Explored and implemented open-source STT and TTS tools such as Whisper, Google STT, gTTS, for dynamic speech.
- ○ Integrated Eleven Labs and Assembly AI to produce human-like, emotionally expressive voice responses.
- ○ Tech Stack: Python, Flask, Vapi.ai, Twilio, Whisper, Google STT, gTTS, Pyttsx3, ffmpeg, Eleven Labs, Assembly AI..

CERTIFICATES

AI Sky box Challenge on Algo University at IIIT Hyderabad| CERTIFICATE   **March 2024**
- ○ Completed AI Sky Box Challenge by Algo University at IIIT Hyderabad and built a mini game using Python with Cursor AI.

Earned a MySQL Certificate from HackerRank | CERTIFICATE   **March 2024**
- ○ Earned a certification after completing hands-on MySQL challenges covering queries, joins, and aggregations.

Solved 200+ coding problems on GeeksforGeeks: LINK   **March 2024**
- ○ Strengthening data structures and algorithm skillsSolving Problems for 100+ Days in 2024.