BEVARA JASWANTHI

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Education

Nadimpalli Satyanarayana Raju Institute of Technology **October 2021-2025**
*Bachelor of Technology in Data Science — Grade: **9.33** CGPA* *Visakhapatnam, Andhra Pradesh*

Experience

AI Smart Live Solutions | *AI/ML Engineer* **May 2025 – Present**

- Engineered a full-stack, real-time sensor data visualization dashboard utilizing a Python Flask backend (with Pandas for data processing) to serve data from InfluxDB, and a dynamic frontend built with HTML, Tailwind CSS, and JavaScript (Chart.js) for interactive charting and data presentation across multiple sensor types.
- Developed an end-to-end AI text-to-video generation pipeline (Python, Streamlit) orchestrating Mistral-7B for narrative scene extraction with a GPU-optimized ModelScope (1.7B via Diffusers) for video synthesis—including complex tensor output processing and ffmpeg for multi-scene assembly—enhanced by contextual prompting for improved narrative coherence.

Munyongo | *Data Generation Process* **May 2024 – October 2024**

- Led a Data Generation Process, collecting and managing over 4,000+ records across 3 months. Automated processes that reduced manual errors by 30% and increased data collection efficiency. Worked closely with a team to improve data validation techniques, ensuring high-quality lead information.

Technical Skills

Languages: C, Java, Python, HTML/CSS
Frameworks: Flask, Streamlit
Developer Tools: Visual Studio Code, Git Hub, Power BI
Libraries: NumPy, Pandas, OpenCV, DeepFace
Databases: MySQL

Projects

Emotional Assessment: A Guide to Mock Interviews and Emotional Status | *Python, Deep Learning* | GitHub

- Developed a web-based platform using OpenCV and DeepFace to perform real-time facial emotion recognition during mock interviews, providing emotion metrics for each response.
- Generated detailed reports with question-wise emotion analysis, individual emotion percentages, and visualizations (pie and bar charts) to enhance interview preparation and self-assessment.

Energy Consumption Forecasting | *Python, XGBoost* | GitHub

- Developed a multi-granularity time series model (hourly/daily/monthly) to forecast household power usage using XGBoost, with engineered lag features.
- Built a complete forecasting pipeline in Python including data preprocessing, resampling, training, and visualizations to compare predicted vs. actual values.

Achievements

- **Achieved Top 5% Rank** in Python for Data Science (NPTEL) with an **85% score** (Jan–Feb 2024, 8 weeks).
- **Gold Badge in Acquiring Data by Accenture (95/100)**, recognizing excellence in data collection, cleaning, and preprocessing techniques.
- Secured **Third Place** in the Power BI Workshop Competition, applying Power BI to create actionable data visualizations that improved data interpretation on E-commerce data..
- **Achieved 2 Pandas Badges** on LeetCode for problem-solving proficiency.