

Yaswanth Ampolu

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Education

Aditya Institute of Technology and Management, Bachelor of
Technology in Information Technology, Tekkali, Andhra Pradesh

Aug. 2023 — Apr 2024
Tekkali, Andhra Pradesh

Sri Gurukula Vidyalayam, Intermediate - MPC

June. 2018 — July 2022
Palasa

Experience

Sierraedge Ai Pvt Ltd

May 2024 - Present

Automation Engineer

Bengaluru - Onsite

- Trained large language models (LLMs) and developed custom datasets to power advanced AI solutions.
- Hands-on experience in Deep Learning, Generative AI, and LLMs, with insights from Amazon scientists on real-world applications.
- Built AI applications, delivering end-to-end solutions for real-world challenges and business needs.
- Developed visualization pipelines to present AI model outputs and performance metrics effectively to management.

CloudTechnologies

Jun 2023 — July 2023

Data Science Intern

Hyderabad - Part time

- Conducting research on data analysis and machine learning, with a focus on exploratory data analysis, predictive modeling, and creating data visualizations, resulting in impactful solutions to complex business problems.
- Exploring advanced AI techniques by developing models and conducting research aimed at improving algorithms and statistical methods in real-world applications.
- Presenting analysis results to senior management, showcasing the strategic impact of data insights on business processes.

Certifications

- Python programming Bible - From Beginner to Advanced
- NLP with Python for Machine Learning Essential Training
- Introduction to Generative AI with Google

Projects

- NLP Projects: World educational analysis, fake news detection, twitter sentiment analysis.
- MultiMedia Analysis using Generative AI: Speech into text, image into text using Whisper AI, TTS. Data
- Analysis Projects: Analysis and Visualization on Different Dataset using Pandas.
- Language Translator using Hugging Face: Translate multiple languages using Hugging Face.
- Q&A using LangChain: Question and Answer chatbot using LangChain. GitHub
- Facial Emotion Recognition: Deep learning based emotion analysis using OpenCV, Tensorflow Keras.
- ML Sales Forecasting Project | Python, Machine Learning
- LLM Multi-Agent Knowledge Navigator Project | LangChain, ChatGrok LLM

Technical Skills

- Languages: Python, Java, HTML/CSS, SQL, JavaScript
- Developer Tools: VS Code, Google Cloud Platform, Android Studio, AWS, Docker, Git, Github, Apache Airflow, Flask
- Skills : OOPS, Deep Learning, Data Analysis, GenAI, NLP, Computer Vision, Data Structures, SDLC, Machine Learning, Model Deployment, Hyperparameter Tuning
- Libraries: Tensorflow, PyTorch, Keras, Numpy, Pandas, Sklearn, OpenCV, NLTK, Pandas, Hugging Face
- Database : Postgres, MongoDB, MySQL.
- Visualisation ; PowerBI, Matplotlib, Grafana, Plotly

Hobbies

- Cycling
- Reading books and Articles
- Exploring Solo Travel Communities
- Meeting like minded individuals