GURUNATH REDDY

Software Engineer | AIML Engineer

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SUMMARY

Motivated Machine Learning and Data Science intern at Lyros Technologies with hands-on experience in developing and deploying predictive models, performing data analysis, and implementing end-to-end ML solutions. Skilled in Python, regression techniques, and modern deployment tools, with a strong foundation in data preprocessing, model evaluation, and building user-friendly interfaces. Eager to leverage technical expertise and problem-solving skills to drive impactful data-driven outcomes in dynamic environments

EXPERIENCE

Technical Assistant

@ RACEnergy

📅 09/2021 - 05/2023   📍 Hyderabad, India

RACE Energy is powering the future of mobility through clean and efficient technologies, including Electric Vehicles, E-Autos, Swappable Batteries, and Battery Swapping Stations.

- Provided technical support for EV systems, assisting in troubleshooting, and routine maintenance to ensure battery performance.
- Maintained accurate records of technical procedures, service reports, and compliance documentation.
- Collaborated with engineering teams to resolve the issues found in the kit and contributing to continuous improvement of electric vehicle technology

Freelance Content Reviewer

@ Centific

📅 02/2024 - 11/2024   📍 Hyderabad, India

Centific is a company specializing in data and AI solutions, with a particular focus on generative AI and its business applications

- Reviewed and evaluated AI-generated content to ensure accuracy, clarity, and adherence to company guidelines and quality standards
- Identified potentially harmful words, toxic phrases, or biased content to promote safe and ethical AI communication.

Software Engineer

@ Lyros Technologies Private Limited

📅 02/2025 - Present   📍 Hyderabad, India

Lyros Technologies is an IT solutions and staffing company specializing in web development, UX audits, and technical support services.

- Participating in a structured training program focused on Artificial Intelligence and Machine Learning
- Developed and deployed robust regression and classification models using Scikit-learn, applying advanced machine learning techniques to solve complex data-driven problems
- Applied NLP techniques such as text classification and sentiment analysis, and experimented with transformer-based models like BERT and Llama for advanced language tasks.
- Deployed and managed Python applications using Render for hosting and Supabase as a backend service, leveraging CI/CD pipelines and Docker to automate, containerize, and streamline scalable deployment workflows

EDUCATION

B.Tech in Computer Science

Visvesvaraya College of Engineering and Technology

📅 2017 - 2021   📍 Hyderabad, India

Certification

Java Full Stack Development

Bridgelabz

08/2022 -04/2023

SKILLS

Programming Languages: Java, Python, SQL

Data Science & AI: Machine Learning, Deep Learning, NLP, Transformers, LLMs, Pandas, NumPy

Deployment & DevOps: Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, Render, Supabase

Frameworks & Libraries: Scikit-Learn, TensorFlow, Keras, Streamlit, Flask

IDEs: VS Code, Jupyter, Collab, IntelliJ

Visualization Tools: Power BI, Matplotlib, Seaborn

Projects

Customer Segmentation

Customer Segmentation Using Machine Learning and python.

- Analyzed and preprocessed customer data using **Pandas and NumPy,** ensuring data quality and consistency for modeling.
- Applied **K-Means clustering** in Python to segment customers into distinct groups, enabling targeted marketing strategies and improved business insights.
- Achieved actionable customer segmentation, empowering the business to personalize offerings and increase overall customer satisfaction and retention.

House Price Prediction

Developed a model predicting house prices based on various features.

- Predicted property prices using multiple regression models **[Linear, SVR, Random Forest]**.
- Deployed the model using **Flask**, enabling user-friendly interaction and real-time property price predictions.
- Delivered a robust solution that supports informed decision-making for buyers, sellers, and real estate stakeholders by providing accurate and actionable property price estimates.

Movie Recommendation System

Created an innovative movie recommendation system.

- Recommended movies based on textual similarity using **TF-IDF Vectorization**.
- Calculated **Cosine similarity** to find and suggest similar movie plots.

Restaurant Review

Developed a restaurant review system leveraging **Natural Language Processing** (NLP)

- Developed a restaurant review analysis system leveraging advanced NLP techniques and **Llama large language models**, utilizing GPU acceleration with **llama-cpp-python** for efficient processing.
- Implemented sentiment analysis and text classification pipelines to extract actionable insights from customer feedback, enhancing data-driven decision-making for restaurant management.

Languages

English, Telugu, Hindi