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**OBJECTIVE**

Analytical and results-oriented Computer Science graduate with a specialization in Artificial Intelligence and Machine Learning. Proficient in Python, SQL, and Java, and skilled with frameworks like TensorFlow and PyTorch. Experienced in data analytics and visualization tools such as Power BI and Matplotlib. Knowledgeable in APIs including Hugging Face and Rapid API, with expertise in regression and classification. Eager to leverage skills in a collaborative team to drive data-driven decision-making and organizational success.

**KEY SKILLS**

* **Programming Languages**: Python, Java, SQL
* **Machine Learning Frameworks**: TensorFlow, PyTorch, Scikit-learn
* **Data Visualization**: Power BI, Matplotlib, Seaborn
* **Data Analysis Libraries**: Pandas, NumPy
* **APIs**: Hugging Face, Rapid API, FastAPI
* **Generative AI Tools**: ChatGPT, Gemini, Hugging Face Transformers
* **Statistical Analysis**: Regression, Classification
* **Domain Expertise**: Natural Language Processing (NLP), Computer Vision

**INTERNSHIP**

**Student Project Intern**  
*National Remote Sensing Center (NRSC), ISRO, Hyderabad, India*

* Developed a React.js web application with authentication, profile management, and an admin dashboard, reducing page load time by 40% and increasing user retention by 25%.
* Collaborated with NRSC teams, increasing project compliance by 20% and reducing turnaround time by 15%.

**PROJECTS**

***AI Healthcare Research Assistant***

* Developed an AI-powered platform for medical research with features like clinical trial analysis, disease prediction, and treatment tracking.
* Utilized OpenRouter LLM and custom machine learning models for predictive insights and personalized health recommendations.
* Automated literature reviews and provided visualized research data for critical decision-making.

***AI Finance Manager***

* Built a Flask-based web application for investment tracking, expense management, and real-time stock/cryptocurrency data.
* Integrated Yahoo Finance API for live data, secure authentication with Flask-Login, and responsive UI with Bootstrap.
* Features include dynamic market tracking, stock recommendations, and visual representation of spending through interactive charts.

***Academic Paper Generator and Validator***

* Built an AI-based academic writing assistant using Python and Streamlit.
* Features include draft generation, writing analysis, multilingual support, and accessibility tools.
* Leveraged Groq API, Llama-3.3, nltk, and textstat for backend processing and grammar analysis.

***AI Data Analysis Tool***

* Designed and implemented a Streamlit-based application for comprehensive data analysis, visualization, and machine learning tasks.
* Integrated scikit-learn for classification, regression, and anomaly detection; TextBlob for sentiment analysis; and Plotly for interactive visualizations.
* Features include automated preprocessing, real-time parameter tuning, and feature importance analysis for large datasets.

**EDUCATION**

**Bachelor of Technology – AI & ML** CGPA: 7.11 (2024)  
KG Reddy College of Engineering and Technology / JNTU Hyderabad

**Intermediate / 12th Grade** CGPA: 8.83 (2020)  
Sri Gayatri Jr. college

**Secondary School Certificate (SSC)** CGPA: 8.3 (2018)  
S.T Josephs High School

**CERTIFICATIONS**

* **Oracle Cloud Infrastructure Generative AI Certified Professional (Oracle, 2024)**
* **Microsoft Power BI - Advanced Dashboard & Data Visualization (Udemy, 2024)**
* **Machine Learning Specialization (Coursera, 2023)**
* **MySQL (Udemy, 2022)**

**ACHIEVEMENTS AND RECOGNITION**

* Won Ideathone Competition by creating a farm field protection solution with LED lights to prevent wild boar attacks.
* Cleared TSPSC Preliminary Exam, demonstrating readiness to contribute to public service.