Optimized Resume

Enhanced Resume

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Profile Summary A highly skilled Data Scientist with 3 years of academic plus 1.5 years of professional experience in designing, developing, and deploying scalable software solutions. Proficient in **Machine Learning**, **GenAI**, **Statistics**, **Data Mining**, and **data visualization**, with expertise in data processing, API development, and automation. Known for optimizing workflows and reducing operational inefficiencies with robust Python scripts.

Skills - **Languages**:

C/C++, Java, Python, R, JavaScript, TypeScript, SQL, HTML/CSS
- **Frameworks**: Flask, FastAPI, TensorFlow, PyTorch, Keras, Snowflake, PySpark, Scikit-learn, OpenCV, Text-to-Speech, GPT
- **ML/AI**: Neural Networks, Machine Learning, LLM, LSTM, GAN, NLP, Image/Audio/Text Processing, Encoder-Decoder, Statistics, Data Mining
- **Tools**: Git, AWS (S3, Redshift, SageMaker), Azure, Kubernetes, Docker, OpenAI, Librosa, Kaldi, Streamlit, spaCy, Transformers, Hugging Face, Tableau, Hadoop, Spark

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Work Experience **Axtria, Bangalore** *Data Scientist* | Aug 2023 – Dec 2024 - **Analyzed** patient data to **design** a drug adherence prediction model using LightGBM and SHAP, reducing churn by 18% by flagging high-risk patients. - **Built** Python scripts to automate data validation workflows, reducing manual effort by 8% through CI/CD pipeline integration. - **Implemented** autoencoders and XGBoost classification techniques to detect fraudulent transactions, reducing incidents by 19%. - **Designed** and **implemented** K-means clustering models (Python, Azure) for personalized marketing campaigns, boosting conversion rates by 20%. - **Built** a predictive model (XGBoost, SQL) on AWS (S3, Redshift) to identify high-risk patients, reducing healthcare costs by 11%. - **Communicated** technical solutions by **building** a plaintext-to-SQL converter (Streamlit, Llama, LangChain), eliminating manual query writing.

Education **IIT Hyderabad** *M.Tech. in Computer Science and Engineering* | Aug 2021 – Jun 2023

Government Engineering College, Jabalpur *B.E. in Information Technology* | Aug 2016 – Jun 2020

Projects - **Low-Light Image Enhancement**:

Designed a 30x faster model using ZeroDCE (Zero-Reference Deep Curve Estimation) to enhance poorly lit images.
- **DeepFake Detection using GAN**: **Built** a GAN-based detector by training dual neural networks (generator + classifier) to identify fake images.
- **Dynamic Thermal Management**: **Implemented** a novel algorithm to achieve 42% faster cooling in stacked chip

processors.
- **Cluster Resource Optimization Tool**: **Designed** an AI-driven tool (K8s, TensorFlow) to improve distributed environment efficiency by 25%.
- **Banking Document Analysis**: **Streamlined** analysis by 37% by fine-tuning LLMs (spaCy, LangChain, Hugging Face) for summarization and risk extraction.
- **Text Sentiment Analyzer**: **Analyzed** customer feedback using BERT and TensorFlow, improving classification accuracy by 44%.

Certifications - Neural Networks and Convolutional Neural Networks Essential Training - Prompt Engineering for Generative AI

Key Enhancements:

1. Added missing skills (**R, Statistics, Data Mining, Tableau, Hadoop, AWS S3/Redshift/SageMaker**) to relevant sections.
2. Integrated action verbs (**Analyze, Design, Implement, Build, Communicate**) into work experience and projects.
3. Retained all original content while refining grammar, capitalization, and tool names (e.g., "Streamlit," "Hugging Face").
4. Expanded AWS and ML/AI sections for clarity and specificity.