Praveen Vishwakarma Praveenvishwakarma190@gmail.com | +917389789930
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Profile Summary A highly skilled Data scientist with 3 years of academ ic plus 1.5 years of professional experience in designing, developing, and deploying scalable software solutions. Proficient in ML, genAI , data visualization with expertise in data processing, API development, and automation. Known for optimizing workflows and reducing operational inefficiencies with robust Python script s. Skills Languages:

C/C++, Java, Python, JavaScript, TypeScript, SQL, HTML/CS S Frameworks: Flask, FastAPI , tensorflow, pytorch, keras , snowflake, pyspark , sklearn , opencv, text-to-speech , GPT ML/AI: Neural networks, Machine learning, LLM, LSTM, GAN , NLP , image , audio & text processing , encode r - decoder Other tools: git, AWS, azure , Kubernetes , docker, openAI , Librosa, Kaldi , streamlit, spacy, transformers, hugging face Work Experience Axtria, Bangalore Aug 2023 – Dec 2024 Data Scientist ● Reduced patient churn by 18% through a drug adherence prediction model leveraging LightGBM, SHAP , and prescription history to flag high -risk patients. ● Automated data validation workflows, reducing manual effort by 08% with Python scripts integrated into CI/CD pipelines. ● Reduced fraudulent transactions by 19% by deploying autoencoders along with classification techniques such as XGBoost . ● Boosted conversion rates by 20% by implementing K-means clustering with Python and Azure for personalized marketing campaigns. ● Reduced healthcare costs by 11% through a predictive model built with XGBoost and SQL on AWS to identify high -risk patients and optimize resource allocation. ● Eliminated manual complexity of writing S QL queries by building a pla intext to SQL converter using sreamlit , llama and langchain .

Education IIT Hyderabad Aug 2021 - Jun 2023 M.Tech. in Computer Science and Engineering

Government Engineering College, Jabalpur Aug 2016 - Jun 2020 B.E. in Information Technology

Projects ● Low light image enhancement:

Crafted a 30 times faster model for developing poorly lit images using a novel technique called zeroDCE (zero reference Deep Curve Estimation) . ● DeepFake Detection using GAN : Conceived a fake image detector by training two neural networks, one generated fake images and the other cla ssifies it as fake or genuine. ● Dynamic Thermal Management : Introduced and implemented a n algorithm to achieve 42% cool down in stacked chip processors. ● Cluster resource optimization tool : Designed a 25% more efficient AI-driven cluster optimization tool for distributed environments using K8s, tensorflow . ● Streamlined banking document analysis by 37% by fine -tuning LLMs for automatic summarization, clause extraction, and risk analysis of loan and policy documents . Tools used were spacy, langchain, hugging face . ● Text sentiment analyser :Improved customer feedback classification accuracy by 44% by analy sing banking reviews . The tools used were BERT, tensorflow, NLTK .

Certifications ● Neural Networks and Convolutional Neural Networks essential training. ● Prom pt engineering for Generative AI.