VAMSI KRISHNA L

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Having 4 years' experience in evaluating and enhancing AI tools, Gen AI Assurance, Frameworks (AI/ML), advanced business analytics (frameworks to draw insights at scale for different aspects of business Data Science) to build predictive Aspiring to transition into Data Science, to engage in highly interesting and innovative projects. Striving to drive career progression towards technical roles, contributing to organizational success and growth in the future.

EXPERIENCE

Cognizant: Present Working as Associate in Gen AI Assurance – using different Augmentation techniques, LLM's, Prompt engineering, Metric Evaluation and code automation to improve business impact.

NEC Corporation India Pvt. Limited: Worked as Data Scientist - Member Technical Staff for 3+ years Applying advanced data science techniques and machine learning models to generate business insights, optimize operations, and support strategic decision-making

EDUCATION

Bachelor of Technology
K L Deemed to be University 2014 – 2018
Completed B. Tech from KL University, Guntur, India, with a focus on building a strong foundation in engineering principles, graduated in 2018.

SKILLS

- Python Programming
- Generative AI
- Prompt Engineering
- Augmentation Techniques
- Metric Evaluation
- Code Automation
- Data Cleaning
- Data Visualization
- LLMs
- Flask API
- SQL Querying
- Machine Learning
- Statistical Analysis
- Predictive modeling
- Data preprocessing
- Statistics
- Data analysis
- Natural language processing
- Oracle Querying

PROJECTS

Kaiser – Risant Health – Data & AI
Associate
Technologies: Python, LLM, Prompt engineering, Cosmos DB

- Implemented data augmentation techniques to enhance training datasets and improve model generalization
- Conducted comprehensive metrics evaluation to measure performance, reliability, and fairness of AI models
- API integration workflows to capture, log, and analyse system responses for evaluation
- Established Generative AI assurance frameworks to validate outputs and ensure compliance with responsible AI standards

Product Similarity (GeM)
Data Scientist
Technologies: Python, SQL, Machine Learning algorithms
Contributions:

- Analyzed and understood client requirements and project objectives.
- Identified the business problem and converted it into a data problem.
- Extracted data from SQL databases and processed, cleansed, and verified data integrity using Python.
- Implemented machine learning algorithms in Python for product similarity modeling.
- Applied the product similarity model across additional modules, including technical specification comparison and
- Government Initiatives.
- Coordinated with management and clients through daily and weekly calls to ensure smooth project transitions.

Health of BID Analytics
Technologies: Python, SQL, Statistical and ML techniques
Contributions:

- Interpreted client requirements and defined project objectives.
- Converted the business problem into a structured data problem.
- Retrieved and processed data from SQL databases, maintaining data integrity in Python.
- Employed statistical and ML techniques for comprehensive bid analysis.
- Created APIs for handling single bid, bunch bid, and multi-consignee bid scenarios.
- Maintained regular communication with management and clients for seamless project progression.

Technical Rejection–Comments Appropriateness/Specifications Comparison
Technologies: Python, SQL, Flask, NLP
Contributions:

- Analyzed client requirements and project objectives.
- Translated the business problem into a data-driven solution.
- Extracted and processed data from SQL databases, ensuring integrity for analysis in Python.
- Applied NLP techniques for topic modeling to categorize comments based on appropriateness.
- Developed APIs with encryption and decryption implementations.
- Deployed and tested the solution on database servers.
- Conducted daily and weekly calls with management and clients to facilitate project transitions.