

Vamsi Krishna L

DATA SCIENCE

Having **3.6 years' experience** in the field of Analytics and advanced business analytics (**Data Science**) to build predictive framework/ML to draw insights at scale for different aspects of business

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.

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SKILLS

Python Programming
SQL Querying
Machine Learning
Statistical Analysis
Predictive modeling

Data preprocessing
SQL databases
Data analysis
Natural language processing
Deep learning

Data Cleaning
Data Visualization
Statistics
Oracle Database
Flask API

CORE COMPETENCIES

- **Advanced Analytics and Machine Learning**
 - Developed and implemented advanced analytics approaches, including statistical modeling and machine learning principles, to answer business questions and drive actionable insights using Python.
- **Data-Driven Insights**
 - Hands-on experience in analytics, deriving key business impacts from data. Created algorithms and implemented analytical solutions using large, complex, structured, and unstructured datasets to provide valuable insights.
- **Business Problem Analysis**
 - Analyzed business problems using data from diverse sources to deliver strategic and actionable business insights.
- **Statistical and Machine Learning Techniques**
 - Proficient in various statistical and machine learning techniques, including linear/logistic regression, decision trees, random forests, SVM, clustering, NLP, text mining, and neural networks.
 - Deep understanding of statistical modeling, machine learning, and data mining concepts.
- **API Development and Security**
 - Experienced in API creation using Flask with encryption and decryption for secure data handling.
- **Mathematics and Visualization Skills**
 - Strong foundation in mathematics and applied statistics with a focus on data visualization, alongside a sense of exploration.
- **Work Ethic and Collaboration**
 - Team player with a positive, 'can-do' attitude. High degree of flexibility, independent, and proactive working style.
 - Demonstrated ability to work well under pressure, managing multiple and conflicting priorities.
- **Passion for Learning**
 - Passionate about learning, thinking creatively, and committed to hard work.

WORK EXPERIENCE

NEC Corporation India Pvt. Limited

Working as Data Scientist - Member Technical Staff from *June 2021 – Present*

Applying advanced data science techniques and machine learning models to generate business insights, optimize operations, and support strategic decision-making.

PROJECTS

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

Data Scientist

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

Data Scientist

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.

Synthetic Identity Fraud Detection

Data Scientist

Technologies: Python (OCR, Deep Facial Packages)

Contributions:

- Collaborated closely with clients to define objectives, project scope, and deliverables.
- Translated complex business challenges into actionable, data-driven solutions tailored to fraud detection.
- Led comprehensive data processing, cleansing, and integrity verification, ensuring high-quality input for model training.
- Applied Tesseract OCR and specialized deep facial analysis packages in Python to detect synthetic identity fraud, enhancing detection accuracy.
- Actively engaged in daily and weekly discussions with management to align on goals, assess progress, and ensure smooth milestone achievements.

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.

LANGUAGES

English

Telugu

Hindi