Lavanya Jandyam

Data Scientist

Chicago, IL - 60612 | (773) 822-5217 | lavanyajandyam23@gmail.com | LinkedIn | GitHub

SUMMARY

Driven Data Scientist with 3+ years of experience in the tech industry, holding a Master's degree in Data Science. Demonstrated expertise in translating complex data into actionable insights and strategic solutions. Proficient in Python, Statistics and SQL with a strong foundation in Advanced Data Analytics and Machine Learning. Skilled in using data visualization tools to shape business strategies, eager to apply my analytical expertise and innovative problem solving at a top tech firm to foster significant technological progress.

EDUCATION

DePaul University — **Chicago, Illinois**

Master of Science in Data Science — **Aug 2022 - Jun 2024**

Andhra University — **Hyderabad, India**

Bachelors in Computer Science — **Jun 2015 - Apr 2019**

WORK EXPERIENCE

Tech Mahindra, Hyderabad — **India**

Business Intelligence Developer — **May 2019 – Jun 2022**

- **SQL Query Optimization:** Enhanced BI system performance by developing and evaluating SQL queries, leading to a 25% increase in query execution speed.
- **Data Retrieval Efficiency:** Improved data retrieval processes through optimized SQL queries, resulting in a 30% reduction in processing time.
- **Data Visualization:** Created over 100 visualizations, reports, and interactive BI dashboards, supporting business decision-making.
- **Stakeholder Collaboration:** Delivered data-driven solutions by engaging with stakeholders, improving product lifecycle management and digital media strategies in the e-commerce and media industries.
- **Version Control and CI/CD:** Implemented and managed version control systems and CI/CD pipelines using Git and Jenkins, enhancing code deployment efficiency.
- **Quality Assurance:** Developed unit test cases, tested applications, and conducted code reviews, ensuring high-quality software delivery.
- **Software Development Life Cycle:** Implemented and managed multiple stages of the Software Development Life Cycle(SDLC) deliverables using Agile Scrum Methodology.

SKILLS & INTERESTS

Programming Languages	Python, R, SQL.
Framework/ Tools	Tableau, Anaconda, Power BI, PyTorch, SAS, SkLearn, SQL server, MATLAB, Microsoft Excel, GIT, SPSS, Microsoft Suite.
Databases/Cloud	MySQL, AWS, Microsoft Data Studio.
Skills:	Linear/Logistic Regression, Classification, Random Forests, Decision trees, SVM, KNN, Hypothesis Testing, A/B Testing, OpenAI, Lang Chain.

PROJECT EXPERIENCE

Movie Recommender System

I deployed DBSCAN100, Cosine Similarity

- Developed an advanced movie recommender system leveraging collaborative filtering and content-based algorithms.
- Engineered efficient data pipelines and applied machine learning techniques to deliver personalized. media content recommendations.

Image Caption Generator (IMG TO TEXT)

Orchestrated the team

• Engineered and advanced CNN for an image-to-text solution, recognizing objects in images and generating captions. We utilized VGG-16 architecture, LSTM, improving accuracy by 24% in predictive models.

• Developed a versatile Python tech stack deployable across platforms, achieving 93.91% accuracy with the BLEU-2 evaluation metric.

Payback Predictor

An advanced implementation to detect spliced images

• Developed a predictive model using Lending Club's historical loan data (2007-2010) to assess borrower creditworthiness.

• Applied machine learning techniques to classify loan repayment outcomes, enhancing investment decision-making processes.

CERTIFICATES

Data Bricks - Generative AI Fundamentals