Sai Praneeth Kamishetty

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TECHNICAL SKILLS

Programming Languages: SQL (SQL Server, PostgreSQL, MySQL), Python (Pandas, NumPy, Seaborn), R (ggplot2, dplyr, tidymodels), DAX.
Data Science & Machine Learning: Data Cleaning, A/B Testing, Statistical Analysis, Hypothesis Testing, Forecasting, Classification (KNN, Random Forest, XGBoost), Clustering (K-means, GMM).
Data Visualization: Power BI, Tableau, Excel (Pivot Tables, VLOOKUP, Macros).
Databases & ETL: QL (Stored Procedures, Joins, CTEs, Indexing), ETL Pipelines (SSIS, Apache Airflow).
Other Skills: Data Wrangling, Data Visualization, Model Deployment (Flask, FastAPI), Data Storytelling.

EXPERIENCE

Data Science Intern   *Hyderabad, India*
International Institute of Information Technology (IIIT)   *Aug 2022 – Mar 2023*
- Developed machine learning models for predictive maintenance in IoT devices, achieving 85% accuracy and reducing downtime by 20%.
- Cleaned and transformed 500,000+ records using Python (Pandas) and SQL, reducing sensor data inconsistencies by 30
- Built an automated Power BI dashboard, providing real-time device insights and reducing monitoring efforts by 40%.

PROJECTS

Fault Diagnosis of Ship Electric Power Systems   *Hyderabad, India*
Capstone Project   *Jul 2022 – May 2023*
- Developed a fault diagnosis model using convolutional neural networks (CNN) in MATLAB, improving fault detection accuracy by 40%.
- Conducted rigorous evaluations via simulations targeting five unique failure modes, refining error-handling protocols which ultimately reduced downtime by an average of two hours per incident throughout project duration.

Data Science Job Market EDA   *Aug 2023*
Personal Project
- Analyzed 7,000 job listings using Python to identify key skills required for data science roles, enhancing job search strategies by 25%.
- Visualized insights using Pandas, Matplotlib, and Wordcloud to compile a comprehensive report.

Sentiment Analysis on Tweets
Personal Project   *Dec 2024*
- Performed sentiment analysis on 14,000 airline reviews using R Studio, achieving an accuracy of 88% with a lift of 34%.
- Leveraged regression modeling to assess customer feedback trends, uncovering key factors influencing satisfaction; implemented targeted changes that increased customer retention rates by 30% within the first three months.

EDUCATION

Florida State University   Tallahassee, FL
Master's in Data Science (Computer Science), GPA: 3.83/4.0   *Aug 2023 – May 2025*

VNR Vignana Jyothi Institute of Engineering and Technology   Hyderabad, India
BTech in Electrical and Electronics Engineering , CGPA: 8.36/10   *Aug 2019 – May 2023*

RELEVANT COURSEWORK

- Data Structures
- Advanced Algorithms
- Database Management
- Artificial Intelligence
- Machine Learning
- Data Mining
- Web Development
- Software Engineering

CERTIFICATIONS

Data Analytics and Visualization Job Simulation by Accenture   *Sept 2024*
Skills: *Data Cleaning & Modeling, Data Visualization, Storytelling, Client Presentation.*

Career Essentials in Data Analysis with Microsoft and LinkedIn   *Aug 2024*
Skills: *Data Wrangling, Statistical Analysis, Visualization Techniques, Business Insights.*

Machine Learning with Python , Coursera   *Jan 2024*
Skills: *Supervised and Unsupervised Learning, Feature Engineering, Algorithm Optimization.*

AWARDS AND ACHIEVEMENTS

- Winner of the All Terrain Robot Competition, demonstrating skills in Strategic Resolution and data-driven decision-making.
- Secured 3rd position in the Project Contest at Convergence Fest 2021, showcasing expertise in data modeling and analysis for innovative project development.
- **Workshop Speaker (Aug 2022):** Led a training session on data analysis techniques using image processing, computer vision, and deep learning with OpenCV for extracting actionable insights from visual data and automating decision-making processes.
- **Hands-on Workshop Speaker (Mar 2022):** Led a workshop on data analysis techniques, showcasing the use of Python for data collection, statistical modeling, and data visualization to drive actionable insights in real-world applications.