Contact

www.linkedin.com/in/vignan-vennampally (LinkedIn)
github.com/vignan98 (Personal)

Top Skills

Deep Learning
Statistical Data Analysis
Pandas (Software)

Languages

English (Professional Working)
Hindi (Professional Working)
Telugu (Native or Bilingual)

Certifications

Learning Excel: Data-Analysis
Learning Data Analytics

Vignan Vennampally

Actively Looking for Data Science Positions From May 2023 | Ex-Data Scientist @AstraZeneca | Machine Learning | Deep Learning | Python
Boston, Massachusetts, United States

Summary

Data Scientist with 2+ years of industry experience working with cross functional teams to solve Business Problems. I love to explore complex data to understand patterns and communicate findings to Technical & Non-Technical audience. Hands on experience of working with Healthcare Data and Engineering the configurations of Data Intense applications like Dataiku

Skill Set:
Programming: Python (Pandas, NumPy, Scikit-learn, Scipy, Statsmodels), R, SQL
Databases: MySQL, MongoDB, Neo4j, Database Design
Data Visualization: Tableau, Power BI, Seaborn, Matplotlib
Data Engineering: ETL, Hadoop, Apache Spark
Technologies & Operating Systems: Azure, AWS, Microsoft Excel, PowerPoint, Linux OS, Docker, Kubernetes
Machine Learning & Statistics: Data Mining, Classification, Regression, Clustering Algorithms, Tree-based models, Time Series Analysis, Feature Engineering, Statistical Analysis, Predictive Modeling, Hypothesis Testing, A/B Testing

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Experience

AstraZeneca
Data Science Co-op
June 2022 - December 2022 (7 months)
Boston, Massachusetts, United States

• Developed Machine Learning (XGBoost, RF, LightGBM), Deep Learning (ANN) techniques in Python that identified 300 potential physicians of NF1 Rare Disease with 92% AUC Score.
• Built Prescriptive, Predictive Modeling techniques that achieved early diagnosis of 200 patients with a Rare Disease reducing Time to Treatment Initiation by 40%.
• Analyzed 1TB IQVIA LAAD Claims, Prescription Data in Snowflake using 100+ SQL Scripts that identified 18 Key Performance Indicators (KPIs) of KOSELUGO therapy initiation.
• Developed in-house Data Capabilities, reducing vendor dependency by 80% and effectively communicated insights to technical and non-technical team members.

Northeastern University
3 months

Deep Learning Research Assistant
May 2022 - June 2022 (2 months)
Boston, Massachusetts, United States

• Leveraged MTCNN and OpenCV libraries that implement Bounding Box Regression, Non-Maximum Suppression techniques to detect Facial Landmarks in Images/Videos with 98% Precision.
• Reduced False Positive rate by 20% compared to Viola-Jones Algorithm that implements Haar-Cascade features.
• Explored State-of-the-art algorithms like YOLOv7, Fast R-CNN to understand working mechanism of Object Detection tasks.

NLP Research Assistant
April 2022 - June 2022 (3 months)
Boston, Massachusetts, United States

• Implemented BiLSTM + Attention model to predict Answer span for a given Question and Passage on SQuAD Data that achieved F1 Score of 85% and Exact Match score of 77%.
• Explored and Conducted a comparative Study of BERT, T5 Models to improve the performance of BiLSTM + Attention Model.

Ericsson
Data Scientist - Cloud Infrastructure Team
August 2020 - August 2021 (1 year 1 month)
Bangalore Urban, Karnataka, India

• Centralized ML & AI tasks by deploying a highly scalable Dataiku DSS application across 3 AWS Environments achieving a 30% increase in Data Processing time.
• Operationalized Development & Deployment of 2 Machine Learning Projects in DSS using Docker containers, Flask saving 100+ hours monthly.
• Improved AWS EC2 performance by 15% through Linux scripting that automated memory, log management tasks reducing manual intervention by 40%.
• Resolved 100+ Production Issues through monitoring & maintaining production environments that increased bug resolving capacity by 10%.

Indian Institute of Technology, Kanpur
Data Scientist - Product mooKIT
June 2019 - December 2019 (7 months)

• Developed a Predictive Model for customer churn using XGBoost that increased platform revenue by 20% and Customer retention by 15%.
• Extracted and Analyzed 100GB of member data from MySQL, MongoDB databases that revealed customer behavioral patterns.
• Improved user experience of analytical interface by redesigning a dynamic data visualization of 400 member data using Tableau.

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur
Undergraduate Research Assistant
October 2018 - January 2019 (4 months)
Jabalpur, Madhya Pradesh, India

1. Worked on Community Detection in Complex Networks Using Ant Colony Optimization (ACO)
2. Implemented Travelling Salesman Problem to understand the working mechanism of ACO
3. Optimized the most advanced algorithm in community detection using Modularity Optimization
technique that detected communities with 95 % accuracy

Education

Northeastern University
Master's degree, Data Science · (September 2021 - August 2023)

Indian Institute of Information Technology, Design and Manufacturing, Jabalpur

Bachelor of Technology, Electrical, Electronics and Communications Engineering · (2016 - 2020)