Vijay Kumar Bollina

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SUMMARY

- Working as a Data Scientist with 3+ years of experience in Data Analysis, Statistical Analysis, Machine Learning and Data mining.
- Good Knowledge in Software Development Life Cycle (SDLC) including Requirements gathering, Design Specification and Testing as per Cycle in both Waterfall and Agile methodologies.
- Good knowledge of Data Visualization skills in communicating the statistical findings to Business users and roll out the Insights into day-to-day operations using Grafana and Power BI.
- Working knowledge of database objects like Stored Procedures, Functions, Packages and Triggers using MySQL and PostgreSQL.
- Proficiency in maintaining various version controls systems such as GIT.

EDUCATION

Master's Degree in Business Analytics, Department of Management Information Systems, GPA: 3.94/4.00
Kent State University – Kent, Ohio (December 2020)

Bachelor's Degree in Engineering, Electronics & Communication
Visvesvaraya Technological University, Belgaum, India (2016)

TECHNICAL PROFICIENCIES

Methodology: SDLC, Agile, Waterfall
Languages: Python, R, SQL
Packages: NumPy, Pandas, Matplotlib, SciPy, Seaborn, Spacy, TensorFlow, Scikit-Learn, Keras, NLTK, PySpark, Tidyverse, Dplyr, GGplot2, Stringr, Lubridate, RShiny.
ETL: PgAdmin
Statistics & Machine Learning: Regression, Classification, SVM, Hypothesis testing, Decision Tree, Neural Networks, Random Forest, A/B Testing, NLP, Computer Vision
Visualizations: Grafana, Tableau, Power BI
Databases: PostgreSQL, MySQL
Version Control Tool: Git, Github
Cloud Services: AWS

EXPERIENCE HIGHLIGHTS

Dell EMC, Ohio(remote)
Data Scientist (Aug 2021 - current)
- Working with the DevOps team to build an intelligent software development pipeline.
- Creating machine learning models to improve the testing and use of hardware most effectively.
- Determine the fastest way to provide feedback to our engineering teams by creating machine learning models that run the right tests at the time based on code changes.
- Creating visualizations outlining statistical analysis for thresholding using Grafana.
- Creating NLP models to determine defect triage fast and more efficiently.
- Developing and applies a broad range of techniques and theories from statistics, machine learning, and business intelligence to deliver actionable business insights to prospects and customers based on large-scale data.

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Dash Technologies Inc, Ohio
Data Scientist Intern (Apr 2021- July 2021)

- Implemented and working in Agile environments including the Scrum methodology within the cross-functional team and acted as a liaison between the business user group and the technical team.
- Created Spark Data Frames and performed quantitative analysis on the Data Frames.
- Worked with NumPy, Pandas, Matplotlib, Seaborn, TensorFlow, Keras, ggplot2, Scikit-Learn libraries for developing various algorithms.
- Designed and deployed dashboards with Tableau, and provided complex reports, including charts, summaries, and graphs to interpret the findings to the team and stakeholders.
- Designed and wrote and executed various MySQL database queries from Python MySQL connector and MySQL Db package.
- Moved the data science ecosystem into Git version control to track changes across teams.

HCL Technologies, India | Dec 2016 – July 2019
Roles: Analyst

- Worked on Waterfall methodology and created a Business Requirements Document and System Requirements Specification Document.
- Developed user-interactive Dashboards and BI reports by performing different OLAP operations on Data Warehouse Power BI reporting tool.
- Wrangled data, worked on large datasets (acquired data and cleaned the data), analyzed trends by making visualizations using python.
- Developed the necessary Stored Procedures and created Complex Views using Joins for robust and fast retrieval of data in SQL Server and MySQL.
- Designed Excel dashboards for higher management reports, and other data visualization reports as per the needs of the user to measure KPI.
- Designed a STAR schema for the detailed data marts and Plan data marts involving confirmed dimensions.
- Designed, Developed the workflow and dataflow of SSIS ETL processes to support many different file structures and business processes.