# Naresh Reddy Bajjuri

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## SUMMARY

Around 4 years of experience as a Data Scientist, specializing in designing, developing, and deploying machine learning models to address complex business challenges and inform strategic decisions. Experienced in software development methodologies, including SDLC, Agile, and Waterfall, ensuring efficient project management. Proficient in a broad spectrum of machine learning algorithms, like Linear Regression, Logistic Regression, Decision Trees, Random Forests, SVM, Naive Bayes, KNN, etc., with strong capabilities in supervised and unsupervised learning methods. Expertise in utilizing popular libraries like NumPy, Pandas, Matplotlib, SciPy, etc., for data manipulation, analysis, and visualization. Skilled in database management with practical experience in SQL Server and MySQL, adept at crafting complex SQL queries for data retrieval and processing.

## EXPERIENCE

**UnitedHealth Group, USA |** Data Scientist                                                                         **Jan 2024 - Present**

- Applied Agile methodologies in project management to promote iterative development and ensure the continuous delivery of data-driven solutions that adapt to changing business requirements.
- Conducted in-depth data analysis utilizing Python, R, SQL, and SAS to enable robust data processing and accurate predictive modeling, delivering high-quality analytical results.
- Employed a wide range of supervised and unsupervised machine learning algorithms, such as Classification, Support Vector Machines (SVM), Naive Bayes, K-Nearest Neighbors, and K-Means clustering, to identify patterns and support strategic business decisions.
- Created and deployed predictive models with Python and Scikit-learn, resulting in a 15% increase in operational efficiency by precisely forecasting key business metrics.
- Crafted and executed intricate SQL queries to extract, transform, and analyze data from SQL Server and MySQL databases, supporting comprehensive data analysis and reporting.
- Managed version control and fostered collaborative development using Git and GitHub, ensuring smooth code integration and deployment among team members while maintaining project consistency and integrity.

**Mindtree, India |** Data Analyst                                                                                      **Oct 2021 - Jul 2022**

- Employed Software Development Life Cycle (SDLC) and Waterfall methodologies to ensure systematic and efficient execution of projects, encompassing all stages from requirements gathering to final deployment.
- Created various graphs for business decision-making using NumPy, Pandas, Matplotlib, SciPy, and ggplot2 for numerical analysis.
- Utilized Tableau and SQL to redefine and track KPIs for marketing initiatives, leading to a 38% increase in landing page conversion rates through actionable recommendations.
- Architected and implemented comprehensive data pipelines using AWS Glue for data extraction and transformation, Redshift for data warehousing, and S3 for scalable storage solutions, creating a robust and efficient data processing framework.
- Performed Data Cleaning, features scaling, and features engineering using pandas and NumPy packages in Python, and built models using deep learning frameworks.

**Amazon, India |** Machine Learning Data Associate                                                            **Sep 2020 – Sep 2021**

- Developed machine learning models aimed at improving the accuracy of product stocking and retrieval processes
- Gained a deep understanding of the functionalities of the warehouse environment and analyzed the workflow to identify bottlenecks and inefficiencies. This analysis involved studying processes such as receiving, storage, picking, packing, and shipping, with the aim of streamlining operations.
- Responsible for cleaning the data collected from warehouse operations, ensuring its quality and reliability for use in machine learning models.
- Contributed to improving efficiency of the software tool TRON.
- Commended by manager and team lead for being the major contributor to the team in achieving top level metrics.
- Bagged best employee of the month among four teams for eight out of 12-month work tenure for accuracy and speed.

**Meta Systems, India |** Data Analyst                                                                                 **May 2019 – Aug 2020**

- Leveraged Python libraries (Pandas, NumPy, Scikit-Learn) for data manipulation and machine learning model development, enhancing predictive analytics capabilities.
- Performed data extraction, transformation, and loading (ETL) processes using SQL and Python, ensuring data accuracy and consistency across various systems.
- Created and optimized SQL queries for data retrieval and reporting from MS SQL Server and PostgreSQL databases, resulting in a 20% improvement in query performance.
- Developed and maintained interactive dashboards using Power BI and Tableau, providing real-time insights and enhancing decision-making capabilities for stakeholders.
- Collaborated with cross-functional teams to gather requirements and develop data-driven solutions that address specific business needs and challenges.

## CERTIFICATIONS

**Certified Scrum Master -** Link

**Microsoft Certified: Power BI Data Analyst Associate –** Link

## SKILLS

**Methodologies:** SDLC, Agile, Waterfall
**Language:** Python, R, SQL, SAS
**IDEs:** Visual Studio Code, PyCharm
**ML Algorithm:** Linear Regression, Logistic Regression, Decision Trees, Supervised Learning, Unsupervised Learning, SVM, Random Forests, Naive Bayes, KNN, K Means, CNN, Classification
**Packages:** NumPy, Pandas, Matplotlib, SciPy, Scikit-learn, Seaborn, TensorFlow, Ggplot2
**Cloud Technologies:** AWS, Azure, GCP, DataBricks
**Visualization Tools:** Tableau, Power BI, SPSS
**Database:** SQL Server, MySQL
**Other Tools:** Git, GitHub, MS Excel
**Operating System:** Windows, Linux, Mac

## EDUCATION

**Master's in Data Science**                                              **May 2024**
Wichita State University                                              Wichita, Kansas
**Bachelor of Technology in Computer Science**                            **Aug 2020**
Lovely Professional University                                                  India