

PRASAD VICHARE

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SUMMARY

Analyst with over 5 years of expertise in leveraging Python, SQL, Excel, Tableau, and Power BI to drive data-driven decision-making, automation, and process optimization. Skilled in analyzing large datasets and delivering actionable insights through interactive dashboards.

EDUCATION

University of Illinois Chicago

Aug. 2024 - May 2026

Master of Science in Management Information Systems, GPA : 4.0/4.0

Chicago, IL

University of Mumbai

Aug. 2014 - May 2018

Bachelor of Engineering in Electronics and Telecommunication

Mumbai, India

TECHNICAL SKILLS

Analysis & Visualization Tools: Tableau, Power BI, Microsoft Excel, Visio, R-studio, BigQuery, Jupyter Notebook

Programming Languages: SQL, Python(Pandas, Numpy, scikit-learn, Seaborn, matplotlib, flask), R, Java, Shell

Database Management Systems: Microsoft SQL Server, MySQL, Oracle

Other skills: AWS, ETL/ELT, GitHub actions, CI/CD, Data Modeling, Docker, Agile, Operation Management, Project Management, Microsoft Office Suite, Linux

EXPERIENCE

Reliance Jio Infocomm Pvt. Ltd

Sept. 2020 -Jul. 2024

Deputy Manager

Mumbai, India

- Led a team to deploy A2P, P2P SMSC solutions, leveraging Python, SQL, and Tableau to analyze 10M daily SMS transactions, improving system reliability by 20%
- Developed data pipelines and Tableau dashboards, reducing manual reporting time by 30% and improving KPI monitoring
- Conducted advanced data cleaning and transformation using Python, Excel and SQL, enabling deeper insights and trend analysis
- Collaborated with cross-functional teams to present data insights through interactive dashboards, enabling operational improvements and contributing to a 25% improvement in project turnaround times

Quess Corporation

Jan. 2019 - Sept. 2020

System Engineer

Mumbai, India

- Developed Python, Shell, and SQL automation tools, eliminating 200+ monthly manual tasks and improving project turnaround by 15%
- Performed ad-hoc data analysis using Excel and Power BI, delivering actionable insights for business decision-making
- Created user-friendly troubleshooting documentation and guides, reducing troubleshooting queries by 20%

PROJECTS

Student Test Score Prediction Using ML | Python, Git Actions, CI/CD, AWS, Docker

Nov. 2024 - Dec. 2024

- Performed comprehensive EDA on student performance data, extracting insights using Python libraries like Pandas, Matplotlib, and Seaborn.
- Designed modular pipelines for data preprocessing, ingestion, and model training, achieving 88% accuracy with Linear Regression and benchmarking against other ML models.
- Containerized the application with Docker and deployed it on AWS (ECR and EC2) using CI/CD pipelines implemented via GitHub Actions..

JetBlue Airlines Performance Analysis | Python(Pandas, Numpy), Tableau, MS Excel

Aug. 2024 - Oct. 2024

- Investigated airline comparison analysis using Tableau, analyzing 6.5 million flight records for JetBlue Airlines in 2023
- Utilized Python (pandas) for data cleaning and analysis, and designed interactive Tableau dashboards to visualize key metrics and identify patterns in delays and operational inefficiencies

Sales Dashboard Development | Python, Tableau

May. 2024 - Jul. 2024

- Developed a dynamic Tableau dashboard for stakeholders to analyze year-over-year sales metrics, monthly trends, and performance insights
- Improved decision-making by providing stakeholders with insights into sales performance and customer behaviors

CERTIFICATIONS

- AWS Academy Data Engineering
- AWS Academy Cloud Foundations
- Google Data Analytics
- DevOps foundation, Docker essentials, and Cloud computing fundamentals - LinkedIn Learning