

Nityanand Madpathi

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SUMMARY

- Data Analyst with 3 years of experience in data analysis, data engineering, data science and Machine Learning using Python, SQL, and R for statistical analysis and generating insights.
- Experienced in developing dashboards and reports with Tableau and Power BI, providing actionable insights to stakeholders and supporting decision-making.
- Skilled in ETL processes and data modeling to ensure data accuracy, streamline workflows, and improve processing efficiency in cloud environments.
- Adept at collaborating in Agile environments with cross-functional teams to solve complex problems and optimize data-driven business outcomes.

SKILLS

- **Programming/Libraries:** Python(Pandas, NumPy, Matplotlib, Seaborn, SciPy), SQL(PostgreSQL, MySQL), R, Java, Artificial Intelligence, Machine Learning
- **Platforms & Tools:** Tableau, Power BI, Looker, Excel, Google Sheets, AWS, Azure, GCP

WORK EXPERIENCE

Data Analyst

Great Learning – Hyderabad, India

October 2021 – June 2022

- Analyzed user demographics and purchasing behaviors to uncover trends, contributing to a 65% increase in course sales through data-driven marketing strategies.
- Created and optimized interactive dashboards using Tableau and Metabase to monitor user engagement, facilitating strategic decision-making for stakeholders.
- Implemented ETL workflows with Amazon Redshift, PostgreSQL, and AWS Glue, enhancing data processing efficiency by 20% in the data warehouse environment.
- Directed cross-functional data initiatives that boosted lead conversion rates by 40% and user engagement by 30%, aligning analytics efforts with business objectives.

Data Analyst

Capgemini – Bengaluru, India

May 2019 – October 2021

- Enhanced financial forecasting models for banking and retail by 30% through Python and SQL, enhancing accuracy and resolving data inconsistencies.
- Generated ad-hoc reports and dashboards utilizing advanced statistical methods and SQL to identify operational inefficiencies, optimizing resource allocation and reducing costs by 18%.
- Conducted thorough data validation and cleansing to ensure high data quality and integrity, enabling precise and consistent analysis across business units.
- Automated data processes and developed comprehensive data models for warehousing, increasing operational efficiency by 25% and supporting detailed data analysis.
- Engineered data pipelines to enhance analytics and reporting capabilities, ensuring data reliability and availability, leading to a 10% increase in customer retention via targeted insights.

PROJECTS

Real-Time Stock Market Data Pipeline

- Implemented real-time data pipeline for stock market analysis using Apache Kafka on AWS EC2. Integrated AWS S3, Glue, and Athena for scalable data engineering.

EDUCATION

Master of Science in Computer Science

Wichita State University, Kansas. GPA: 4.0

August 2022 - May 2024

Bachelor of Engineering in Computer Science

CVR College of Engineering, Hyderabad, India . GPA: 3.62

August 2015 - April 2024

CERTIFICATIONS

AWS Certified Developer, Google Data Analytics, Microsoft Azure az-900, Python