Nityanand Madpathi

Wichita, KS | (316)779-9967 | [LinkedIn](#) | [nityanandmadpathi@gmail.com](#) | [Portfolio](#) | [GitHub](#)

SUMMARY

- Accomplished Data Analyst and Data Engineer with 4 years of experience in data analysis, data engineering, cloud computing, and DevOps.
- Proficient in leveraging data to drive insights and decision-making with expertise in ETL tools, data pipelines and Agile methodologies.
- Skilled in MySQL, MS SQL, Oracle SQL, PostgreSQL, and NoSQL.
- Expert in data analysis and visualization using Excel, Google Sheets, Tableau, Power BI, and Metabase.
- Experienced in Python, SDLC principles, and cloud platforms.
- Demonstrated history of providing thorough attention to detail, ensuring data accuracy, consistency, and meeting stakeholder expectations.

SKILLS

- **Programming languages:** Python, Java, C, C#, C++, R, JavaScript, HTML, CSS
- **Databases:** MySQL, MS SQL, Oracle DB, PostgreSQL, Snowflake, Teradata, Amazon RDS, Aurora, BigQuery, Azure SQL Database, Cloud SQL
- **Data Analysis Tools:** Tableau, PowerBI, Metabase, Looker, Excel, Google Sheets,
- **Data Engineering Tools:** Apache Spark, Hadoop, Kafka, Airflow
- **Cloud Platforms:** AWS, Microsoft Azure, GCP

WORK EXPERIENCE

Wichita State University – Wichita, Kansas　　　　　　　　　　**January 2023 – May 2024**
Graduate Research Assistant

- Developed an innovative mapping system using Bluetooth beacons with Swift, MS SQL, and Azure SQL Database, designed to assist vision and mobility-impaired users in navigating indoor spaces, enhancing accessibility and user experience.
- Built a user interface and mapping system for the campus using OpenStreetMap, MapLibre, and React Native, ensuring seamless data synchronization with the cloud for real-time updates and efficient user management.

Graduate Teaching Assistant

- Deliver a range of teaching and assessment activities including tutorials directed towards the concepts of Computer Networks and Wireless Networking.

GREAT LEARNING – Hyderabad, India　　　　　　　　　　**October 2021 – June 2022**
Data Analyst

- Spearheaded product monetization and increased course sales by 65% through in-depth analysis of customer profiles and enrollment trends.
- Developed and maintained interactive dashboards using Metabase, Tableau, and Amazon QuickSight, reducing reporting time by 32%.
- Improved data processing efficiency by 30% through complex SQL queries and Python scripts and employed DAX for data analysis in Power BI.
- Created KPI reports using Power Query and Power Pivot, enhancing strategic planning by 20%.
- Increased lead conversion rates by 43% and user engagement by 48% by providing demographic-specific data insights.
- Developed ETL pipelines using Python and AWS Glue, improving data accessibility and efficiency by 35%.
- Implemented data integration workflows, ensuring data consistency and availability in the data warehouse using Amazon Redshift and PostgreSQL.
- Utilized Apache Spark for big data processing, enhancing data processing capabilities.

CAPGEMINI – Bengaluru, India　　　　　　　　　　**May 2019 – October 2021**
Software Engineer

- Improved financial forecasting accuracy by 20% by conducting comprehensive analysis of banking products.
- Analyzed data to identify trends, patterns, and anomalies, boosting operational efficiency by 15%.
- Identified and rectified errors, inconsistencies, and missing values in large datasets using Python and SQL, enhancing data quality and reliability.
- Delivered actionable insights from customer feedback, increasing retention rates by 10%.

- Analyzed data to identify trends, patterns, and anomalies, providing insights that guided strategic initiatives and improved operational efficiency by 15%.
- Collaborated on the development of data pipelines to support analytics and reporting needs, ensuring timely and accurate data availability.
- Evaluated customer feedback and satisfaction metrics, delivering actionable insights to enhance customer experience and retention rates by 10%.
- Automated data tasks with SAS, VBA, and Macros, enabling more effective decision-making.
- Leveraged Hadoop and Azure Databricks for big data processing, improving data processing capabilities by 25%.

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.

Netflix Clone on Kubernetes
- Developed CI/CD pipeline using Jenkins, integrated with SonarQube and Trivy for security analysis.
- Managed deployments with ArgoCD and Helm, hosted on AWS EC2, and monitored with Prometheus and Grafana.

EDUCATION

Wichita State University, Kansas   **August 2022 - May 2024**
Master of Science in Computer Science, **GPA: 4.0**
CVR College of Engineering, Hyderabad, India   **August 2015 - April 2019**
Bachelor of Engineering in Computer Science, **GPA: 3.62**

CERTIFICATIONS:

AWS Certified Developer, Google Data Analytics, Microsoft Azure az-900, Python, Java Spring Boot.