Nityanand Madpathi

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SUMMARY

Software Engineer with 3 years of experience in data analytics, data engineering, and software development. Skilled in Python, SQL, and AWS, with a strong understanding of the Software Development Lifecycle (SDLC) and CI/CD pipelines. Proficient in building scalable systems, automating workflows, and ensuring data-driven decision-making. Adept at collaborating across teams in Agile environments to drive business outcomes and develop robust software solutions.

SKILLS

- **Programming/Libraries:** Python, Java, C, C++, SQL(MySQL, PostgreSQL, Amazon RDS, DynamoDB), JS
- **Platforms & Tools:** AWS, Azure, Tableau, Git, Terraform

WORK EXPERIENCE

Senior Data Analyst

Great Learning – Hyderabad, India   **October 2021 – June 2022**

- Delivered business insights and strategies using data-driven models, resulting in a 200% revenue increase through targeted customer campaigns.
- Created and optimized interactive dashboards in Tableau to track key performance indicators (KPIs), supporting strategic decision-making for senior management.
- Collaborated with cross-functional teams to implement ETL workflows using SQL, improving data processing efficiency by 20% and ensuring data accuracy across platforms.
- Generated actionable insights, improving customer retention by 30% and increasing lead conversion rates by 40%.

Software Engineer

Capgemini – Bengaluru, India   **May 2019 – October 2021**

- Developed end-to-end ETL workflows using Amazon Redshift, PostgreSQL, and AWS Glue, enhancing data processing efficiency by 30% and improving reporting capabilities.
- Engineered data pipelines and automated data processes to support data-driven business operations, leading to a 10% improvement in customer retention strategies.
- Contributed to software development by designing and deploying robust, scalable data models and automation tools, increasing operational efficiency by 25%.
- Applied advanced statistical techniques for financial forecasting, improving accuracy by 30% and optimizing resource allocation, resulting in an 18% reduction in operational costs.
- Collaborated with IT and development teams to integrate data solutions into larger software projects, ensuring seamless interaction between data models and application logic.

PROJECTS

Netflix Clone Using AWS and Kubernetes

- Deployed a Netflix Clone using Kubernetes on AWS EC2 with Jenkins for CI/CD and Prometheus for monitoring, leveraging ArgoCD and Helm for automated cloud deployment and security.

Real-Time Stock Market Data Pipeline

- Implemented a real-time data pipeline for stock market analysis using Apache Kafka on AWS EC2, integrating with 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 2019**

CERTIFICATIONS

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