PRIYANKA KAKANI

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EDUCATION

Wilmington University, Newark, DE   **December 2024**
Master of Information Systems at Assurance   **GPA: 3.9/4.0**
• **Graduate Teaching Assistant for** Cloud Computing and DevOps, facilitated lab sessions on AWS services, Terraform, and CI/CD pipelines; collaborated with faculty to design hands-on assignments and supported students during office hours to enhance technical understanding.

WORK EXPERIENCE

Fannie Mae   **Plano City, TX**
AWS Data Engineer   **January 2024 – till now**

- Improved ETL performance by **40%** using AWS Glue, Lambda, and PySpark on EMR.
- Automated RDS migrations and CI/CD using AWS DMS, SCT, Jenkins, and GitHub, reducing manual work by **60%** and accelerating deployments by **45%**.
- Worked closely with analysts and ML teams to standardize data models and deliver clean, reliable datasets, improving data quality by **30%** and supporting model training and evaluation.
- Implemented scalable cloud infrastructure on Google Cloud Platform (GCP) using services like Compute Engine, Cloud Storage, and BigQuery, enabling efficient data processing and analytics with automated deployment pipelines.

Ascension   **St. Louis City, MO**
AWS Data Engineer   **January 2024 to December 2024**

- Built and deployed AWS Glue pipelines, reducing data processing time by **40%** and improving integration across multiple data sources.
- Optimized Redshift data models and partitioning, improving query performance and reporting speed by **20%** and Tuned query performance in Azure Synapse SQL pools by implementing indexing and optimizing complex joins and filters, cutting execution time by **25%** and improving resource efficiency.
- Automated ETL workflows with Step Functions and Python, reducing manual data handling by 50% and speeding up ML model readiness.

Tata consultancy services   **Hyderabad, India**
System Engineer   **April 2021 to January2023**

- Developed and maintained backend modules for FCA's vehicle management portal using Spring Boot and Oracle Database, enabling key features like **account access**, **maintenance scheduling**, **and tracking vehicle history**, while improving overall system responsiveness by **25%**.
- Integrated and tested **REST/SOAP APIs** with **Postman** and **SOAP UI**, ensuring reliable data exchange between applications.
- Automated system health checks using Linux shell scripts and deployed Java applications to WebLogic with **Jenkins** and **Docker**, reducing manual work by **40%** and speeding up deployments by **30%**.
- Managed AWS infrastructure (EC2, RDS, S3) using Terraform and YAML, and ensured secure, reliable database operations with JDBC and Oracle procedures, followed Agile practices to support timely, collaborative delivery.

Six Base Technologies   **India**
Azure Data Engineer Intern   **April 2020 to March 2021**

- Developed and optimized ETL pipelines using **Azure Data Factory** and Databricks, improving data integration efficiency and reducing processing time by up to **40%.**
- Implemented **Azure Data Lake Storage Gen2** with secure access controls and an organized folder structure, reducing storage costs by **20%** and enabling scalable data access.
- Tuned performance in Azure Synapse SQL pools and enhanced semantic models in Azure Analysis Services, improving query speed by **25%** and reducing Power BI report load times by **15%**.
- Automated CI/CD workflows with Azure DevOps for seamless deployment and testing of data pipelines, cutting release time by **40%** and improving reliability.

Pantech Private Limited India
Machine Learning Intern **June 2019 to July 2019**
- Developed a real-time face detection system using **OpenCV** with Haar cascade classifiers and built a book recommendation engine using collaborative filtering methods (cosine, Jaccard, BM25), improving accuracy and user engagement by over **30%.**
- Utilized Anaconda Python with libraries like NumPy, Pandas, SciPy, and Matplotlib for data preprocessing and visualization; applied ML models on large datasets using Hadoop and Spark, improving processing efficiency by **40%** and reducing training time by **25%.**

SKILLS_____

Programming Languages: C, Java, Python **Web skills:** CSS, HTML5, JavaScript, Bootstrap
Operating System: Linux, Windows, MacOS **Data Warehouses:** Snowflake, Azure Synapse Analytics
RDBMS: Amazon Aurora, MySQL, PostgreSQL DevOps & Automation: Jenkins, Terraform, Docker
Methodologies: Agile, Sprint Planning, Daily Standups **NoSQL**: MongoDB, Cassandra, DynamoDB, Cosmos
Azure: Azure Data Factory, Synapse, Data Lake Gen2, Databricks, Functions, Logic apps, HdInsight, Fabric,
Amazon web services: S3, EMR, Glue, Lambda, Kinesis, Redshift, RDS, DynamoDB, QuickSight, SNS, SQS
Tools: DBT**,** Kafka, Spark, Airflow, Power BI, Talend, GitHub, Tableau, ServiceNow, Excel, CloudWatch
Google Cloud Platform (GCP) – Compute Engine, Cloud Storage, BigQuery, Cloud Functions, Cloud Build
Frameworks and Platforms: Pandas, NumPy, Matplotlib, Seaborn, Scikit Learn, TensorFlow, OpenCV, PySpark

SOFT SKILLS

Problem Solving | Collaboration | Agile & DevOps Mindset | Time Management | Communication