PRANITHA NEKKANTI

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EDUCATION

Master of Science in Information Technology — **Graduating Dec 2024**
Arizona State University, Ira A. Fulton Schools of Engineering, Tempe, AZ — 4.0 / 4.0 GPA

Bachelor of Technology in Computer Science and Engineering — **Jun 2017 – Jun 2021**
Gandhi Institute of Technology and Management, Bengaluru, India — 3.6 / 4.0 GPA

PROFESSIONAL EXPERIENCE

Data Analytics and Business Intelligence Associate 2, PwC, Bengaluru, India — **Aug 2021 – Nov 2022**

- Created automation solutions using C# and UiPath, improving HR process efficiency by 20% and reducing manual intervention.
- Built an Excel-to-XML framework for 3,000 job applications, speeding up candidate responses and optimizing HR recruitment.
- Deployed and optimized RPA systems in multi-tier environments, boosting performance and increasing stability by 15%.
- Provided production support, quickly resolving critical issues, and ensuring seamless operations with improved system reliability.
- Designed and executed a comprehensive data migration strategy involving SSMS that integrated 500,000+ records from traditional systems into Toro databases, resulting in a 25% increase in data accessibility for cross-departmental projects.
- Constructed a real-time data monitoring dashboard using Power BI, providing actionable insights, and enabling preemptive issue resolution, leading to a 15% improvement in operational efficiency.
- Spearheaded proof-of-concept activities to investigate Azure Data Factory (ADF), producing over 50 pages of documentation that identified key operational insights crucial for optimizing future ADF installations and workflows.

Full Stack Web Developer Intern, VERZEO, Bengaluru, India — **May 2020 – Jul 2020**

- Engineered a full-stack MERN web application that boosted user engagement and added 500 active users within the first month.
- Integrated a SQL database to optimize data management, significantly improving website load time by 30%.
- Built reusable components with JavaScript and ReactJS, improving code maintainability by 40% and scalability for future use.

TECHNICAL SKILLS

Programming/Scripting Languages: Python, R, Java, C++, C, C#, JavaScript, SQL, NoSQL, Pandas, NumPy, Data Structures, Algorithms

Technologies: Databricks, Apache Spark, Kafka, Hadoop, Hive, Docker, CosmosDB, DynamoDB, PostgreSQL, Power BI, Tableau, MongoDB, SQL Server Management Studio, Airflow, Jenkins, ETL, CI/CD, DBMS, Kubernetes, Machine Learning, AI, Deep Leaning

Cloud & Data Engineering: Cloud computing, Microsoft Azure, AWS, GCP, IoT integration, Data Lakes, Data Warehousing, Data Migration, ETL Pipeline Design, Real-time Data Streaming, Big Data Analytics, Data Modeling, Data Transformation, Data Visualization

Operating Systems: Linux, iOS, Windows, Unix

Core Competencies: Agile, Jira, Git, DevOps, Project Management, Team Collaboration, Client & Cross-functional Team Communication

ACADEMIC PROJECTS

YouTube Trending Data Pipeline and Analytics using AWS — **Aug 2024**

- Created a scalable data pipeline using AWS (S3, Glue, Lambda, Athena) to process YouTube trending datasets from Kaggle, transforming CSV and JSON files into Parquet format for efficient querying.
- Implemented automated data transformation workflows that supported the integration of diverse data formats, increasing data reliability for analytics and enhancing reporting speed by 50% across key business units.
- Mapped regional YouTube trends through advanced visualizations in Amazon QuickSight, driving the creation of 5 new targeted marketing campaigns; resulted in increased audience engagement and improved content strategy.

IoT based Health Monitoring Device for Elder People using Real time Object Detection — **Jan 2021**

- Developed an IoT-based health monitoring system utilizing Arduino, Raspberry Pi, and cloud technologies, which enhanced real-time health data collection efficiency by 40% and reduced data visualization latency by 50%.
- Implemented Detectron2 for real-time object detection using ML, boosting accuracy by 30% and cutting processing time by 60%.

CERTIFICATIONS

- Advanced UiPath RPA Developer — Mar 2022
- Microsoft Azure Developer Associate — Sept 2022
- Microsoft Azure Data Fundamentals — Jan 2022
- Microsoft Data Analyst Associate — Jan 2022
- AWS Solution Architect - Associate — Mar 2018