Suketh Reddy Produtoor

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EDUCATION:

Northeastern University, Boston, MA **Expected Dec 2026**
Master's in Information Systems
Relevant Courses: Application Engineering and Development, Network Structures and Cloud Computing
Sreenidhi Institute of Science and Technology, Hyderabad, India **Jul 2019 - Jul 2023**
Bachelor of Technology in Computer Science and Engineering
Relevant Courses: Data Structures & Algorithms, Operating Systems, Cloud Computing, and Probability and Statistics.

TECHNICAL SKILLS:

Programming Languages	:	Python, SQL, C++, Java, JavaScript, HTML, CSS, Angular JS.
Tools & Libraries	:	Tableau, Power BI, AWS, Pandas, TypeScript, Microsoft Office Suite.
Data Management	:	Databricks, Data Quality Frameworks, ETL Processes, Data Cleaning, & Transformation.
Visualization & Analysis	:	Tableau, Power BI, Regression Analysis, Clustering, and Classification.
Certifications	:	AWS Data Analytics Virtual Internship, AWS Cloud Virtual Internship

WORK EXPERIENCE:

Machine Learning Data Associate, Amazon **Aug 2023 - Aug 2024**
- Spearheaded comprehensive data quality assurance initiatives, leveraging Python and SQL to conduct data validation and transformation, achieving a 15% improvement in data consistency and enabled a 30% cut in data handling inaccuracies.
- Engineered and maintained dynamic Tableau and Power BI dashboards, enabling visualization of key performance metrics and driving actionable insights for cross-functional teams.
- Automated critical workflows by developing robust ETL pipelines, streamlining data processing operations and improving accessibility, resulted in a 35% reduction in processing time.
- Designed and executed advanced SQL queries to perform detailed data analysis and validation, ensuring compliance with quality standards and providing precise, reliable insights.
- Diagnosed and resolved data inconsistencies and anomalies, improving dataset integrity by 25%, enhancing machine learning model accuracy by 15% impacting retention of 2M customers.
- Endorsed adoption of data governance frameworks, documenting data lineage, ownership, and definitions to enhance transparency, compliance, and traceability across teams.

Data Engineer, Flipkart **Jan 2023 - Jun 2023**
- Collaborated with cross-functional teams to identify data inconsistencies and enhance data quality, leading to the development and deployment of a data validation framework using Excel, MySQL, and Python, improved overall data reliability by 25%.
- Performed comprehensive data audits and performance evaluations for new product launches, delivering actionable insights driving a 10% increase in overall business growth.
- Developed and optimized advanced SQL queries to evaluate product datasets, ensuring data accuracy and completeness to support informed decision-making.
- Created interactive Tableau dashboards to visualize key performance indicators (KPIs) such as purchase metrics and order statistics, boosting operational efficiency by 20%.
- Established rigorous data transformation protocols increasing data accuracy by 25%; ensured compliance with governance standards across three business units, resulting in enhanced reporting capabilities and better decision-making processes.

Research Assistant, Cognitive Radio Sensor Network (CRSN) (https://ieeexplore.ieee.org/document/10543488) **Summer 2024**
- Engineered a novel CRSN system in MATLAB to upgrade frequency allocation, expanding coverage by 65%.
- Authored a paper presented at the IEEE Conference, contributing to advancements in low-cost sensor networks.

ACADEMIC PROJECTS:

Classification of Alzheimer's Disease using RF Signals and Machine Learning **Summer 2023**
- Designed a machine learning pipeline to classify Alzheimer's Disease with 88% accuracy.
- Utilized Python for data cleaning, transformation, and visualization, achieving 82% data completeness.
- Created dashboards in Tableau to showcase model predictions and trends in diagnostic accuracy.

Music Recommendation System using Python and Last.FM API **Fall 2024**
- Engineered a personalized music recommendation system, increasing daily active users by 40%.
- Processed 100,000+ tracks using Python and SQL, tailored recommendations with a 92% user satisfaction rate.
- Built a user-friendly interface to visualize preferences and suggestions, enhancing user engagement.