Prasanna Kumar Kommuri

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● Website: www.github.com/prasku5 ● Blog: www.medium.com/@prasku● https://leetcode.com/prasku/

Education

Master of Computer Science, **Indiana University Bloomington**	Jan 2022 – Dec 2023
Bachelor of Electronics and Communication Engineering, **Vignan University**	Aug 2011 – Aug 2015

Skills

Languages: Python, SQL, Java, Javascript
Platforms: Google Cloud Platform, Amazon Web Services, Palantir Foundry, Hadoop, Spark, Kafka, Linux
Tools: AWS Redshift,Google BigQuery, Aws S3, Lambda, EC2, Kinesis, Glue, Athena, DynamoDB, AWS EMR
Other Skills: Jenkins, Docker, Kubernetes, Git, Jira, Pandas, Numpy, JSON/XML parsing, Efficient Handling of CDC, Data Governance, Validation, Profiling, Cleansing and Compression Techniques

Experience

Senior Data Analyst | Accenture, Hyderabad   Dec 2018 – Dec 2021

- Led the design and implementation of a scalable data processing solution using Google BigQuery and Python, resulting in a remarkable 35% increase in data processing speed while reducing costs by 25%.
- Utilized SCD Type 2 methodology to construct intricate tables in the processing phase, resulting in reducing data update errors by 30%. Conducted thorough unit testing and ensured seamless collaboration through Jira.
- Collaborated with the product team to analyze existing data and on-premise code, identifying current business requirements, anomalies, and challenges, resulting in a 20% reduction in data-related issues. Provided valuable insights that led to a 25% improvement in dashboard reporting accuracy in the GCP solution, resulting in more informed decision-making for the organization.
- Developed stored procedures for dimension and fact tables incorporating common table expressions (CTEs) to optimize data processing, reducing processing time by 30% and enhancing data warehousing efficiency.
- Enhanced data analysis capabilities by optimizing end-to-end ETL pipelines on Google Cloud Platform, leading to a remarkable 65% improvement in query performance. Additionally, applied metadata column mapping using Python custom functions for streamlined data processing.
- Successfully led the migration solution for United Airlines,GMI Foods Inc leveraging advanced technologies such as PySpark, Palantir Foundry, and Google BigQuery, delivering a 40% enhancement in customer analytics.
- Managed a team of 15 professionals in a critical manual labeling project for Sempra Energy, ensuring correctness and consistency in labeled data for training Computer Vision ML models, achieving an 85% Accuracy rate.
- Adopted AWS Groundtruth and automated image labeling jobs using Python API which cut down 90% of efforts and saved hundreds of man-hours.
- Expertly applied approach, processing over 1.5 TB of data daily, and realized a 30% drop in data processing time through optimization and parallelization techniques.

Data Analyst | Kogentix, Hyderabad   Jan 2017 – Dec 2018

- Collaborated with team to establish Big Data best practices for Spark development, resulting in positive outcomes, e.g., improved code quality, and increased developer productivity, improved processing time for tables.
- Developed and maintained comprehensive test documentation for Big Data projects. Collaborated with stakeholders to optimize Big Data development processes, achieving a 20% efficiency boost.

Test Data Engineer | Tata consultancy services, Chennai   Sep 2015 – Dec 2016

- Spearheaded the identification and resolution of critical bugs within a Big Data environment, collaborating with cross-functional teams to streamline development processes.
- Achieved a significant 20% cost reduction through efficient bugs. identification, contributing to the success of Big Data-driven product launches.

Certifications

- AWS Certified Data Analytics Specialist	Aug 2023 – Aug 2026