

Vishnu Priya

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SUMMARY

Seasoned data engineer with 4 years of experience, I thrive on transforming raw data into actionable insights using cutting-edge tools like Apache Hadoop, Spark, Kafka, SQL, and Python. My expertise extends to leveraging clouds such as AWS, Azure, GCP for seamless, large-scale data ingestion and processing. With a sharp analytical mind and a knack for problem-solving, I blend technical prowess with business acumen to drive impactful data research initiatives. My collaborative spirit shines through in my successful partnerships with stakeholders, web developers, and database architects, delivering innovative data solutions that propel projects forward.

EDUCATION

Master's in management information systems
University of Illinois at Springfield

August 2022 – December 2023
CGPA: 3.65

PROFESSIONAL EXPERIENCE

Data Engineer | RVO Health | South Carolina

October 2022 – September 2023

- Designed and maintained highly scalable data management systems, aligning them with business requirements and industry standards.
- Implemented and automated large-scale enterprise data ETL processes using Snowflake and Azure Data Platforms.
- Developed predictive models and high-performance algorithms, supporting data-driven decision-making.
- Created and optimized data models to facilitate efficient reporting structures and data retrieval.
- Developed comprehensive descriptive, predictive, diagnostic, and prescriptive reports tailored to customer requirements using Power BI and SQL.
- Conducted training sessions to reskill and upskill the data and AI team, ensuring alignment with evolving business objectives.
- Applied best practices in data pipeline design, performance tuning, data modeling, visualizations, and analytics, delivering high-quality data solutions.

Data Engineer | Tech Mahindra | Hyderabad, India

September 2019 - August 2022

- Designed, implemented, tested, and maintained highly scalable data management systems, ensuring they met business requirements and adhered to industry best practices.
- Created and automated large-scale enterprise data ETL processes using Microsoft and Azure Data Platforms.
- Developed high-performance algorithms and prototypes, providing proof of concepts to drive business insights.
- Implemented data models to support robust reporting structures, enhancing data accessibility and utility.
- Produced descriptive, predictive, diagnostic, and prescriptive reports based on customer requirements using Power BI and SQL.
- Facilitated reskilling and upskilling of team members, identifying training needs and aligning the data and AI team with business objectives.
- Demonstrated expertise in performance tuning, data pipelines, data modeling, visualizations, and analytics, ensuring optimal data processing and reporting.

HIGHLIGHTED PROJECTS – [\[GitHub\]](#)

- [Tokyo Olympic Data Analysis with Azure](#): Transformed Olympic data into actionable insights using Azure Data Factory, Data Lake Gen 2, Synapse Analytics, and Azure Databricks.
- [Tableau](#): Created various DVs using Tableau, Power BI, Qlik, and Looker.
- [Tic Tac Toe Game by Java](#): Built a Tic Tac Toe game with Java, JavaFX, IntelliJ IDEA, Git, and JUnit.
- [Dice Game by Python](#): Developed an interactive Dice Game in Python using Tkinter/PyQt, with GitHub for version control.
- [Quiz Game by Python](#): Crafted a dynamic Quiz Game in Python with a sleek Tkinter/PyQt interface, using GitHub for collaborative version control.

TECHNICAL SKILLS

Languages/Frameworks: Python, SQL, JavaScript, Java, C, C#, C++, Scala, R, Shell Scripting, Golang

Cloud Technologies: AWS, GCP, Azure, Snowflake, Oracle, Docker, Kubernetes.

Tools/Services: Spark, Kafka, Hadoop, Airflow, HBase, Nifi, Teradata, Amazon RedShift, MapReduce, Flume, Flink, Informatica, Talend, AWS Glue, Amazon S3, Jenkins, Confluence, Tableau, Power BI, GitHub, Git, RESTful, Databricks, Azure Data Factory (ADF), Azure Synapse Analytics, Trifacta, JSON, Avro, Parquet, ORC, XML, Protobuf, ELK Stack, PostgreSQL, MongoDB, Google Big Query.

Elasticsearch, HDFS, Meta store, Click house, Linux, UI/UX, Bash, PubSub, Wavefront, Splunk, Prometheus

Libraries: TensorFlow, Pandas, NumPy, PyTorch, sci-kit-learn, PySpark, NLTK, LLM's, Jupyter Notebooks, PyCharm.

Skills: ETL Development, API Integration, Data Mining, Data Pipeline, Data warehousing, Data Architecture, Data Visualization, Data Streaming, Data Analysis, Data Quality, Statistical Analysis, Data Modelling, Data Integration, Machine Learning.

CERTIFICATIONS

- IBM Data Engineer Professional certificate
- Machine learning specialization by the University of Washington