

# MANU SUGNANA PRASAD

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## TECHNICAL SKILLS

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**Programming Languages** : Python, R, SQL, NoSQL, PySpark, SparkSQL, Java  
**Frameworks** : TensorFlow, Airflow, Docker, Kubernetes, Flask, FastAPI, Azure DevOps, Kafka, Git  
**Database & Cloud Technologies** : Hadoop, Hive, MongoDB, MySQL, Oracle PL/SQL, Azure (VM, ADLS, ADF, Data Bricks, Azure SQL, Azure Synapse, Azure DevOps and Azure Monitor), AWS (EC2, S3, SageMaker, Glue, RDS, Athena, Redshift, EMR), GCP (Dataproc, Pub/Sub, Data Fusion, BigQuery, Looker), Snowflake  
**Analytical Tools** : Power BI, Tableau, MS Excel (Pivot and VLookup)

## PROFESSIONAL EXPERIENCE

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**Shineteck**, Data Analyst | *Mechanicsburg, USA* **Mar 2024 – Present**

- Developed **dynamic Tableau dashboards** for **Sales, Operations, and Finance**, visualizing **KPIs** like **revenue growth** and **churn**, accelerating strategic decisions and boosting reporting efficiency by **30%** through actionable, **real-time insights**
- Led the **migration** of an **on-prem Cognos** reporting system to **AWS** using **Redshift, Glue, and Athena**, improving scalability and enabling real-time **Tableau visualizations**, resulting in a **30%** increase in reporting efficiency
- Designed an **automated** system for uploading **large CSV files** daily to **S3** using **AWS Lambda**, reducing manual labor and saving **\$200,000** annually while ensuring seamless data flow through **30+** pipelines
- Built and managed **25+ ETL pipelines** in **AWS Glue** with **PySpark**, transforming raw data, changing dimensions, and handling multiple file formats, which improved data accuracy by **25%** and sped up processing times
- Integrated **DynamoDB** with **AWS Glue** to **enrich datasets**, enabling faster lookups and reducing processing times, which improved **query performance** by **40%** and streamlined data workflows
- Migrated processed data to **Amazon Redshift** for advanced analytics, optimizing clusters with **distribution keys, sorting strategies, and compression techniques**, resulting in a **20%** improvement in **query response times** and enabling faster decision-making

**University at Buffalo**, Research Assistant | *Buffalo, USA* **May 2023 – Dec 2023**

- Built and evaluated **machine learning models** to predict housing prices in Buffalo, NY, focusing on **data cleaning, feature engineering, and exploratory analysis**. Achieved **99% accuracy** by tuning algorithms and validating results using visualization tools

**Wipro**, Data Analytics Engineer | *Bangalore, India* **Nov 2018 – July 2022**

- Created and managed over **20+ detailed Power BI dashboards** to track **sales performance, customer behavior, product categories, and regional trends**, helping teams make faster and better business decisions.
- Used **Power Query extensively** for cleaning, transforming, and shaping data, and wrote complex **DAX formulas** to build time-based metrics like month-over-month growth and year-to-date sales.
- Built **secure, scalable**, and optimized **data models** with **row-level security**, managing access permissions and protecting credentials using **Azure Key Vault** to ensure strong data privacy and access control.
- Automated daily data updates and refresh cycles by connecting **Power BI** to **Azure Data Factory** pipelines, pulling structured data from PostgreSQL, SQL Server, ADLS, and external APIs for up-to-date insights.
- Collaborated closely with **data engineering teams** to process, transform, and enrich data using **Databricks** and **Spark**, applying **SCD Type 2** logic for accurate historical tracking of time-based data changes.
- Improved **reporting speed** by **18 percent** and reduced **manual work** by **40 percent** through automation and better data modeling.

## PROJECTS

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**Grand Prix Data Hub on Microsoft Fabric** | *Power BI, Power Query, Synapse Spark*

- Processed Formula 1 data with Synapse Spark and Delta Lake, visualized insights in Power BI, and managed workflows with Fabric Pipelines, ensuring strong data governance via OneLake

## EDUCATION

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- Master of Science in Data Science**, University at Buffalo, *New York (GPA 3.93)* **Aug 2022 - Jan 2024**
- Bachelor of Engineering in Computer Science**, VTU University, *Bangalore, India* **Aug 2014 - Jul 2018**