

Rishabh Sharma

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TECHNICAL SKILLS

Languages	Python, R, SQL, Scala, Advance Excel
Data Visualization	SAS, SPSS, Power BI, Tableau, Looker, QlikView, Kibana, Apache Superset
Machine Learning	Regression, Classification, Clustering, NLP, Deep Learning (CNN, RNN, LSTM), Ensemble Learning
AI/ML Frameworks	Scikit-learn, TensorFlow, PyTorch, Keras
Big Data Technologies	Apache Spark, Hadoop, Kafka, Snowflake, Databricks, Airflow
Software Development	Agile, Scrum, Git, Docker, Kubernetes, Jenkins, Travis CI
Cloud Platforms	AWS, Azure, GCP
Advanced Analytics	Statistical Modeling, A/B Testing, Time Series Analysis, Bayesian Inference, Anomaly Detection

EXPERIENCE

Dark Matter Technologies <i>AI/ML Ops Engineer CO-OP</i>	<i>Jun. 2023 – Dec. 2023</i> <i>Jacksonville, FL</i>
<ul style="list-style-type: none">Architected cloud-native data processing system leveraging AWS services (Lambda, SageMaker, CodePipeline) to streamline document extraction workflows, resulting in 60% faster processing and 40% improved accuracy across 800+ document typesDesigned and implemented enterprise-wide data observability framework using automated A/B testing pipelines, reducing system failures by 70% and ensuring data quality standardsEstablished data architecture patterns and standards for ETL processes using AWS Glue and Redshift, resulting in 50% reduction in processing time and enhanced data reliabilityLed cross-functional teams in implementing data security protocols and governance frameworks, achieving 99.9% compliance with industry standards	
Digital Pass <i>Data Scientist</i>	<i>Jun. 2020 – Jun. 2022</i> <i>Indore, India</i>
<ul style="list-style-type: none">Designed and documented n-tier data architecture for financial forecasting system using Python, Spark, and SQL, reducing operational costs by \$2M while maintaining 95% prediction accuracyDeveloped enterprise-wide data streaming architecture using Apache Kafka for real-time fraud detection, processing 50K transactions/sec with 92% accuracyArchitected scalable data platform integrating multiple databases (SQL Server, Oracle) with modern cloud services, improving system performance by 40%Created technical documentation including ERDs, UML diagrams, and process flows for complex data systems, reducing development cycle time by 35%	
SK Enterprises <i>Data Scientist</i>	<i>Jan. 2019 – Jun. 2020</i> <i>Indore, India</i>
<ul style="list-style-type: none">Established data architecture standards for recommendation engine using cloud-native solutions, resulting in \$1.5M revenue increase and 30% higher user engagementDesigned scalable ETL architecture using Apache Airflow and PySpark, processing 2TB+ daily data with 40% reduced pipeline failuresImplemented enterprise-wide feature store architecture using MLflow and modern databases, reducing model deployment time by 45%Created data streaming architecture using Kafka and Redis for real-time processing, achieving 99.9% uptime while handling 100K events/sec	

AWARDS & CERTIFICATIONS

AWS Certified Data Engineer Associate (DEA-C01)	<i>Apr. 2024 – Apr. 2027</i>
Deans Fellowship, College of Computing and Informatics	<i>Sept. 2022 – Jun. 2024</i>

PROJECTS

Credit Risk Modeling <i>scikit-learn, LightGBM, Docker, Jenkins</i>	<i>Aug. 2024 – Nov. 2024</i>
<ul style="list-style-type: none">Built containerized credit default prediction pipeline with LightGBM/XGBoost reaching 92% AUC, orchestrated via Docker and Jenkins CI/CDEngineered WOE/IV features and SMOTE sampling techniques, improving model F1-score by 35% on imbalanced credit datasets	
Customer Churn Prediction Model <i>Python, SQL, Power BI</i>	<i>Completed – Dec 2023</i>
<ul style="list-style-type: none">Designed a machine learning model to predict customer churn using Python, achieving 92% accuracy and integrating results with Power BI for interactive reportingOptimized SQL queries for faster data retrieval and transformation, reducing data preparation time by 40%	

EDUCATION

Drexel University <i>Master of Science in Data Science; GPA: 3.80</i>	<i>Philadelphia, PA</i> <i>Graduated – Jun. 2024</i>
Rajiv Gandhi Proudhyogiki Vishwavidyalaya <i>Bachelor of Technology in Computer Science and Engineering</i>	<i>Bhopal, India</i> <i>Graduated Jun. 2022</i>