

RISHABH SHARMA

Data Scientist

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EDUCATION

Drexel University, College of Computing and Informatics
Master of Science in Data Science

Philadelphia, PA
GPA: 3.83

Rajiv Gandhi Proudhyogik Vishwavidyalaya
Bachelor of Technology in Computer Science and Engineering

Bhopal, India
GPA: 3.63

SKILLS

Programming Languages & Tools: Python (NumPy, Pandas, Plotly, TensorFlow, PyTorch, XgBoost), R, SQL, SAS, Excel
Data Analytics & Visualization: Google Analytics, Power BI, Tableau, CRM Analytics, Looker
Big Data & Cloud Technologies: Spark, AWS (S3, EMR, SageMaker), Azure, Snowflake
Data Management & Integration: Data extraction, manipulation, architecture, and warehousing techniques
Machine Learning & Deep Learning: Predictive modeling, statistics, regression, clustering, forecasting, NLP, Vertex AI
Software Engineering & Project Management: Docker, Kubernetes, Jenkins, Tekton, Typescript, React (MERN Stack), API development, Agile.

CERTIFICATIONS

- AWS Certified Data Engineering Associate (DEA-C01)

PROFESSIONAL EXPERIENCE

Dark Matter Technologies

Jacksonville, Florida

Data Engineer

Jul 2023 – Dec 2023

- Collaborated with cross-functional teams including product owners, product managers, and end users to understand their business processes and needs, resulting in the development of customized ML models that improved customer facing retail search by 30%
- Utilized Python and SQL for building predictive models, achieving a 15% reduction in customer churn rate through targeted retention strategies based on data analytics
- Analyzed and processed large data sets using SQL and NoSQL databases to drive innovative solutions for retail search, resulting in a 40% increase in user engagement through successful Information Management strategies to improve data processing and analysis
- Orchestrated the development of efficient ETL pipelines for AIVA vision technology, achieving a 14% cost reduction and a 23% increase in data processing efficiency through implementation of Financial Technology solutions to enhance data storage and analysis capabilities

Digital Pass

Indore, India

Data Scientist

Jun 2021 - Jun 2022

- Developed and implemented machine learning applications, including NLP and LLMs, in a corporate environment using Python and ML libraries like PyTorch and TensorFlow, resulting in a 20% increase in operational efficiency by managing to adapt and utilize complex data systems in a dynamic environment for improved performance
- Implemented efficient ML training workflows and learning pipelines via Vertex AI, resulting in a 25% improvement in GenAI results accuracy, by implementing machine learning models on Google Cloud Platform to analyze vast amounts of raw data
- Utilized Python and SQL for building predictive models, achieving a 15% reduction in customer churn rate through targeted retention strategies based on data analytics, while implementing advanced data modeling and analysis using BigQuery to significantly improve the company's decision-making process
- Utilized Data Visualization tools to present complex data in an understandable manner, leading to more informed decision-making within the company

SK Enterprises

Bhopal, India

Data Scientist

Nov 2020 - Jun 2021

- Implemented advanced Time Series Forecasting and LSTM models for inventory management, resulting in a 25% reduction in overstock levels and a \$500k cost savings
- Utilized predictive analytics to optimize supply chain logistics, leading to a 20% decrease in delivery times and \$300k in cost savings; showcased expertise in data-driven decision-making and operational efficiency within the retail industry
- Executed critical enhancements for data processing, enhancing efficiency by 30% and reducing errors by 35%, demonstrating a strong commitment to accuracy and effectiveness

ACADEMIC PROJECTS ([GitHub](#))

Advertisement Creator

- Achieved a remarkable 97% accuracy rate in the generation of advertisements that resonated with target audiences, significantly reducing creative development time and tailoring content to user behavior and preferences
- Seamlessly integrated the generative AI models with existing content management systems for on-the-fly ad creation fine-tuned for B2B sales and marketing

Mathematical Equation Solver using Neural Machine Translation

- Formulated a Mathematical Equation Solver leveraging Hugging Face Transformers and bi-LSTM models, translating complex equations into solutions with an 80% accuracy rate by enriching the dataset to over 400,000 equations
- Utilized NLP techniques for innovative mathematical language processing, significantly enhancing the model's ability to interpret and solve intricate mathematical equations, resulting in a validation accuracy boost of 80%