RISHABH SHARMA
Data Scientist

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EDUCATION

Drexel University, College of Computing and Informatics — Philadelphia, PA
Master of Science in Data Science — GPA: 3.83

Rajiv Gandhi Proudhyogik Vishwavidyalaya — Bhopal, India
Bachelor of Technology in Computer Science and Engineering — 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, bigQuery
Data Management & Integration: Data extraction, manipulation, architecture, and warehousing techniques
Machine Learning & Deep Learning: Predictive modeling, statistical analysis, 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 – De 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 insights
- Enhanced user engagement by 40% through advanced analysis and BigQuery optimization for large dataset management
- Orchestrated the development of efficient ETL pipelines for AIVA vision technology, achieving a 14% cost reduction and a 23% increase in data processing efficiency

Digital Pass — *Indore, India*
Data Scientist — ***Jun 2021- Jun 2022***

- Implemented efficient ML training workflows and learning pipelines via Vertex AI, resulting in a 25% improvement in GenAI results accuracy
- 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
- Designed and built monitoring dashboards and alerts using Splunk and Dynatrace to track system performance, reducing downtime by 15% across all cloud-enabled solutions
- Integrated Information Management strategies, elevating data processing and achieving a 30% boost in user experience

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
- Streamlined supply chain logistics with predictive analytics, cutting delivery times by 20% and saving $300k
- 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%

Sentencing Prediction Using Docket Data for Court Cases

- Led the development of a Sentencing Prediction model employing ML/DL techniques on Philadelphia court case data, achieving critical insights with an 81% accuracy rate in multiclass sentencing predictions