

Anshul Sharma

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Full-Stack Data Scientist with 9 years of experience in designing, building, and maintaining AI applications that enhance customer experiences, optimize business processes, and provide insights that drive innovation. Proficient in building data pipelines, predictive modeling and seamless deployment of ML architecture using cloud services.

WORK EXPERIENCE

Senior Data Scientist

Gartner

JUL 2022 – Present

Gurgaon, Haryana

• Focused on driving seller productivity by applying Data Science, ML, GenAI, Advanced Analytics, and BI to real-world challenges. This includes ranking enterprises by predicted growth, identifying whitespace, quantifying opportunities, and analyzing seller workload to empower more strategic, data-driven decisions.

• Led a series of GenAI projects to tackle real business challenges, from building the Recruitment Studio—a powerful resume screening and scoring tool with LLMs (Mixtral 8x7B, Llama2 70B)—to fine-tuning the Mistral 7B Instruct model with a RAG for a company-specific QA chatbot. These initiatives cut down manual HR review time, boosted internal knowledge access by 40%, and slashed response time for complex queries by 60%, bringing measurable impact across both HR and internal support.

• Automated an ML workflow for quarterly growth forecasts, cutting turnaround time from 14 days to 4 hours and conserving 10,000 person-hours monthly.

• Orchestrated a Pyspark-based optimization of data pipelines, shrinking data processing time from 12 hours to 12 minutes and instituted a robust MLOps framework via MLFlow to mitigate data and concept drift.

• Engineered a neural network-based workload index for 5,000 sellers, revolutionizing territory investment strategies and decision-making processes.

• Automated and streamlined the NPV model for territory investment, eliminating 20 Excel sheets and 3 weeks of manual calculation monthly, reducing the computation time to a mere 5 minutes.

Senior Data Scientist

S&P Global

JAN 2021 – JUL 2022

Gurgaon, Haryana

• Pioneered the development of a Vehicle Miles Traveled product, generating \$300k in revenue during phase-1 and extending support to 20 global automotive markets through LightGBM/Random Forest algorithms.

• Architected a CI/CD-integrated, serverless workflow leveraging AWS services, serving as a blueprint for other teams transitioning to serverless architectures.

• Led the Data Acquisition Team in scraping 50+ websites and deploying large-scale web crawlers, amassing gigabytes of valuable data.

• Orchestrated the acquisition and transformation of data from 10+ disparate sources, including Oracle, Hadoop, and MongoDB, employing advanced analytics to render the data actionable for stakeholders.

Developer

SAP Labs India

AUG 2015 – DEC 2020

Gurgaon, Haryana & Bengaluru, Karnataka

• Engineered ETL pipelines to automate data transfer from source files to SAP BW, and implemented REST APIs, doubling performance metrics and enhancing reporting capabilities.

• Integrated a Random Forest Classifier to replace a manual rule-based mapping system, achieving a 200% speed increase in deriving automotive attributes. Additionally, contributed to customer demos and product design discussions, providing data-driven insights for product development.

TECHNICAL SKILLS & EXPERTISE

ML Frameworks & Data Science : scikit-learn, XGBoost, LGBM, PyTorch, Keras, Hugging Face, Langchain, LlamaIndex, Pandas, NumPy

Generative AI : LLMs, LLM Fine-tuning, RAG, Prompt Engineering

Programming Languages & Tools : Python, SQL, R, PySpark, Spark, Git, Shell scripting, VS Code, PyCharm, Jupyter, Anaconda, Keras

Cloud & MLOps : AWS (SageMaker, Lambda, Step Functions, ECS, ECR, Batch, API Gateway, CloudWatch), Azure (App Service, ADF, Cognitive Services), Databricks, Docker, Terraform, Jenkins, MLflow

Data Visualization : Power BI, Tableau, Plotly, Matplotlib, Seaborn

Web Development : Flask, Django REST framework, Streamlit, Gradio, HTML, CSS, Bootstrap, Dash

EDUCATION

BTech in Electronics & Communication, Delhi Technological University

2011 – 2015