

Aryan Jain

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EDUCATION

MS Data Science <i>Drexel University Philadelphia, PA</i>	Sept 2023 – June 2025 GPA: 3.9
B.S. in Computer Science with Business Minor <i>NMIMS University Mumbai, India</i>	July 2019 – May 2023

WORK EXPERIENCE

Data Science Intern MitraQSR Dallas, TX	Sept 2024 – Dec 2024
<ul style="list-style-type: none">Developed time series models for 178 stores to forecast revenue and expenses, improving forecast accuracy by 10%Built a RAG pipeline (FAISS + Gemini Pro) so decision-makers could query financial data and gain insightsDesigned a Dash dashboard on Azure App Service to track 30+ financial KPIs, cutting reporting time by 40%	
Data Analyst Intern Barrier Breakers Inc. Princeton, NJ	June 2024 – Sept 2024
<ul style="list-style-type: none">Led the migration from Trello, Evernote, and Zoho CRM to Monday.com via API integrations, ensuring 99% data accuracyDeveloped Python scripts to automate data transfer using APIs, reducing manual work by 80%	
Data Scientist, Junior Associate Celebal Technologies India	Jan 2021 – Sept 2022
<ul style="list-style-type: none">Led a three-member team to develop a Profit and Loss Dashboard using Tableau, integrating FastAPI for backend services and PostgreSQL for data storage, reducing financial analysis time by 30%Built forecasting models (ARIMA, LSTM) for revenue and expenses and deployed via Azure Machine Learning and Kubernetes, achieving 5% MAPE and enhancing financial planning accuracyDeveloped a regression model using XGBoost and CatBoost to estimate employee count and revenue, reducing RMSE by 18% with SHAP for interpretability and MLflow for tracking	

PROJECTS

Comcast AI Challenge Winner Philly Codefest 2025	Mar 2025
<ul style="list-style-type: none">Created a generative AI-based animated video using tools like META AI, Runway ML for character and scene generationIntegrated GPT-4 and ElevenLabs for script generation and voice synthesis, creating expressive and human-like dialogues	
Medical Insurance Risk Prediction Drexel University	Dec 2023 – Feb 2024
<ul style="list-style-type: none">Designed XGBoost and Random Forest models to forecast premiums and risk categories, achieving 92% accuracyLaunched scalable Dash app on Azure App Services for real-time risk scoring and premium simulations	

LEADERSHIP and RESEARCH

Teaching Assistant Data Science Programming Drexel University	Mar 2025 – June 2025
<ul style="list-style-type: none">Assisted instruction for 70+ students in Python, Linux, Github, and efficient data processing with NumPy and PandasDesigned and graded coding tasks on NumPy, data wrangling, file I/O, and high-performance computing techniques	
Research Assistant Drexel University	Jan 2025 – June 2025
<ul style="list-style-type: none">Deployed ResNet based classifier on NVIDIA Triton Inference Server to batch infer 10,000 images in 5s in a single requestOptimized a PyTorch-based training pipeline with CUDA kernels, reducing model training time by 40% on A100 GPUs	
Course Assistant Human-AI Interaction Drexel University	Dec 2024 – Mar 2025
<ul style="list-style-type: none">Guided 30+ students on ethical AI frameworks, algorithmic fairness, explainable AI, and responsible data ownershipProvided project mentorship and feedback aligned with Responsible AI curriculum	

CERTIFICATIONS

Azure Data Scientist Associate Microsoft	May 2022
Azure AI Engineer Associate Microsoft	Mar 2022

TECHNICAL SKILLS

Programming: Python, R, SQL, MATLAB, JavaScript, C/C++, HTML, CSS
ML and AI: Scikit-learn, TensorFlow, PyTorch, XGBoost, LightGBM, OpenCV, SpaCy, BERT, Langchain, Time Series
Cloud and DevOps: AWS (S3, RDS, EC2), Azure, Databricks, PySpark, MySQL, Docker, MLflow, CI/CD Pipelines
Visualization and APIs: Tableau, Power BI, Plotly, Dash, Matplotlib, Seaborn, Streamlit, Flask, FastAPI, RESTful APIs