Aryan Jain

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EDUCATION

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

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

WORK EXPERIENCE

Data Analyst Intern | MitraQSR | Dallas, TX **Sept 2024 – Dec 2024**

- Developed time series models for 178 stores to forecast revenue and expenses, improving forecast accuracy by 10%
- Built a SQL-powered Dash dashboard on Azure App Service to track 30+ financial KPIs, cutting reporting time by 40%
- Automated ETL workflows using FastAPI, cutting financial data processing time from 6 hours to under 3 hours

Data Analyst and Support Intern | Barrier Breakers Inc. | Princeton, NJ **June 2024 – Sept 2024**

- Led the migration from Trello, Evernote, and Zoho CRM to Monday.com via API integrations, ensuring 99% data accuracy
- Developed Python scripts to automate data transfer using APIs, reducing manual work by 80%

Data Scientist, Junior Associate | Celebal Technologies | India **Jan 2021 – Sept 2022**

- 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 accuracy
- Developed 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**

- Created a generative AI-based animated video using tools like META AI, Runway ML for character and scene generation
- Integrated 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**

- Designed XGBoost and Random Forest models to forecast premiums and risk categories, achieving 92% accuracy
- Launched 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**

- Assisted instruction for 70+ students in Python, Linux, Github, and efficient data processing with NumPy and Pandas
- Designed and graded coding tasks on NumPy, data wrangling, file I/O, and high-performance computing techniques

Research Assistant | Drexel University **Jan 2025 – June 2025**

- Deployed ResNet based classifer on NVIDIA Triton Inference Server to batch infer 10,000 images in 5s in a single request

Course Assistant | Human-AI Interaction | Drexel University **Dec 2024 – Mar 2025**

- Guided 30+ students on ethical AI frameworks, algorithmic fairness, explainable AI, and responsible data ownership
- Provided project mentorship and feedback aligned with Responsible AI curriculum

CERTIFICATIONS

Azure Data Scientist Associate | Microsoft **May 2022**
Azure AI Engineer Associate | Microsoft **Mar 2022**
Azure AI Fundamentals | Microsoft **Jan 2022**
Azure Fundamentals | Microsoft **Jan 2022**