

Aryan Jain

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EDUCATION

MS Data Science

Drexel University | Philadelphia, PA

Sept 2023 – June 2025

GPA: 3.9

BS Computer Science with Business Minor

NMIMS University | Mumbai, India

July 2019 – May 2023

WORK EXPERIENCE

Data Science Intern | MitraQSR | Dallas, TX

Sept 2024 – Dec 2024

- Extracted P&L data for 178 stores from R365 and built dashboards to compare revenue, costs, and EBITDA across stores
- Built a RAG tool with FAISS + LLM API to answer queries like Which Region X store had highest revenue in Period Y?
- Identified \$12K+ EBITDA gaps from high maintenance, overtime, helping execs focus on underperforming locations

Data Analyst Intern | Barrier Breakers Inc. | Princeton, NJ

June 2024 – Sept 2024

- Migrated 1000+ student records from Trello, Evernote, and Zoho to Monday.com with 99% data accuracy
- Built automation scripts to trigger workflows from form fills, cutting manual task handling by 48%

Data Scientist, Junior Associate | Celebal Technologies | India

Jan 2021 – Sept 2022

- Analyzed prediction gaps in revenue and headcount models for 20M+ US/Canada business records; developed industry-specific XGBoost solutions to improve accuracy in weak-performing sectors
- Presented EDA and modeling insights to the client, highlighting where the model's performance dropped across industries
- Led P&L dashboard build; developed forecasting APIs (SARIMA, Prophet) and deployed on Azure for BI integration

PROJECTS

LLM-Powered Payroll Migration Tool | Personal Project

July 2025

- Parsed 1000+ payroll PDFs into structured JSON using Gemini LLM; saved 10+ weeks of manual data entry
- Built Playwright bot to automate payroll uploads to Accountant World's non-API portal across 85+ clients
- Saved \$20K+ in labor costs; generated \$2K+ in revenue via tool reuse for new client payroll migrations

CW-RIS: Child Wind Risk Intelligence System | UN Tech Over Hackathon

June 2025

- Built Streamlit app that overlays ERA5 wind data with child population exposure to map high-risk zones
- Computed zonal statistics and risk scores using raster and vector geospatial data for humanitarian use

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

High-Speed Inference with Triton and PyTorch | Drexel University

Jan 2025 – June 2025

- Deployed ResNet-based classifier on NVIDIA Triton Inference Server to batch infer 10,000 images in 5s per request
- Optimized PyTorch training pipeline using CUDA kernels, cutting training time by 40% on A100 GPUs

LEADERSHIP

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

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

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