

# Aryan Jain

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## EDUCATION

<b>MS Data Science</b> <i>Drexel University   Philadelphia, PA</i>	<b>Sept 2023 – June 2025</b> GPA: 3.9
<b>Bachelor of Technology (Hons.) - Computer Science and Business Systems</b> <i>NMIMS University   Mumbai, India</i>	<b>July 2019 – May 2023</b>

## 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

<b>Data Analyst Intern   MitraQSR   Dallas, TX</b>	<b>Sept 2024 – Dec 2024</b>
<ul style="list-style-type: none"><li>Developed time series models for 178 stores to forecast revenue and expenses, improving forecast accuracy by 10%</li><li>Built a SQL-powered Dash dashboard on Azure App Service to track 30+ financial KPIs, cutting reporting time by 40%</li><li>Automated ETL workflows using FastAPI, cutting financial data processing time from 6 hours to under 3 hours</li></ul>	
<b>Data Analyst and Support Intern   Barrier Breakers Inc.   Princeton, NJ</b>	<b>June 2024 – Sept 2024</b>
<ul style="list-style-type: none"><li>Led the migration from Trello, Evernote, and Zoho CRM to Monday.com via API integrations, ensuring 99% data accuracy</li><li>Developed Python scripts to automate data transfer using APIs, reducing manual work by 80%</li></ul>	
<b>Data Scientist, Junior Associate   Celebal Technologies   India</b>	<b>Jan 2021 – Sept 2022</b>
<ul style="list-style-type: none"><li>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%</li><li>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</li><li>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</li></ul>	

## PROJECTS

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

## LEADERSHIP and RESEARCH

<b>Research Assistant   Drexel University</b>	<b>Jan 2025</b>
<ul style="list-style-type: none"><li>Deployed ResNet based classifier on NVIDIA Triton Inference Server to batch infer 5,000 images in 12s in a single request</li></ul>	
<b>Course Assistant   Human-AI Interaction   Drexel University</b>	<b>Dec 2024 – Mar 2025</b>
<ul style="list-style-type: none"><li>Guided 30+ students on ethical AI frameworks, algorithmic fairness, explainable AI, and responsible data ownership</li></ul>	
<b>Teaching Assistant   Data Science Programming   Drexel University</b>	<b>Mar 2025 – June 2025</b>
<ul style="list-style-type: none"><li>Instructed 70+ students in Python, Linux, Git version control, and efficient data processing with NumPy and Pandas</li><li>Designed and graded coding tasks on data wrangling, file I/O, and high-performance computing techniques</li></ul>	

## CERTIFICATIONS

<b>Azure Data Scientist Associate   Microsoft</b>	<b>May 2022</b>
<b>Azure AI Engineer Associate   Microsoft</b>	<b>Mar 2022</b>
<b>Azure AI Fundamentals   Microsoft</b>	<b>Jan 2022</b>
<b>Azure Fundamentals   Microsoft</b>	<b>Jan 2022</b>