

EDUCATION

University of Virginia (UVA) Master of Science in Data Science	Charlottesville, VA Jun. 2024 – May. 2025
Capstone Project (sponsored by LMI): <i>Implementing Multimodal RAG based LLM for Education</i>	
Coursework: <i>Statistical Machine Learning • Linear Models • Bayesian Machine Learning • Large-Language Models • Deep Learning • Big Data Systems • Applied Data Engineering • Text Mining • Ethics in Big Data • Foundations of CS</i>	
BITS Pilani (Birla Institute of Technology & Science, Pilani) Bachelor of Engineering in Mechanical Engineering, Minor in Data Science	Hyderabad, India 2018 – 2022

SKILLS

Programming Languages: Python (NumPy, Pandas, Scikit-learn), R, SQL, C++, MATLAB, Julia
Machine Learning & AI: PyTorch, TensorFlow, Keras, LLMs, Transformers, Random Forests, OpenCV
Cloud & Data Tools: Azure DataBricks, Docker, PowerBI, MS Excel, Git, Apache Spark, SPSS

EXPERIENCE

Piramal Critical Care (PCC) Data Science Lead	Bethlehem, PA (Remote, India) Jan. 2022 – Jun. 2024
<ul style="list-style-type: none">Established and led the Data Science & Analytics function, developing end-to-end data products across Supply Chain, Finance, and Sales to enable data-driven decision making and operational growth.Engineered automated Data and ML pipelines for analytics dashboards, minimizing manual reporting effort by 80% in 30+ reports while improving data accuracy through real-time validation alerts.Introduced predictive modeling in market share and inventory achieving 40% improvement in supply chain efficiency.	
Piramal - Consumer Product Division (CPD) Data Science Intern (6 months)	Mumbai, India Jul. 2021 – Dec. 2021
<ul style="list-style-type: none">Main Project: Developed company’s first recommendation engine using FP-Growth to optimize product placement.Improved market penetration of products by 15% quarterly in 400k+ retailers across India.	

PROJECTS

Inventory Management Analytics & Forecasting <i>Machine Learning Supply Chain & Finance</i>	Piramal Critical Care Jun. 2023 - Jun. 2024
<ul style="list-style-type: none">Implemented a time-series forecasting pipeline using SARIMA for SKU-level inventory prediction and Monte Carlo simulations for scenario planning, reducing monthly write-offs through optimized aging stock management.	
Product Sales Market Share & Growth Analytics <i>Statistical Modeling Finance & Sales</i>	Piramal Critical Care May. 2023 - Dec. 2023
<ul style="list-style-type: none">Engineering a market analytics framework for the Injectable Pain Segment, using segmentation analysis and competitive benchmarking to evaluate market dynamics, growth opportunities, and portfolio strategy.	
Sentiment Analysis Modelling of Employee’s Feedback Texts <i>Natural Language Processing Human Resources</i>	Piramal Critical Care Apr. 2022 - Dec. 2022
<ul style="list-style-type: none">Designed an ensemble sentiment analysis pipeline combining VADER and TextBlob to analyze employee feedback, extract actionable insights, and inform personalized development plans.	
Attrition Prediction Modelling <i>Machine Learning Sales Operations</i>	Piramal CPD Nov. 2021 - Apr. 2022
<ul style="list-style-type: none">Developed an ensemble ML model of XGBoost and Logistic Regression to predict salesmen attrition, leveraging performance metric and key operational features, achieving an retention ratio of 93% for high-performing employees.	
Emotion Recognition using Genetic Algorithm <i>Artificial Intelligence, Computer Vision Artificial Intelligence Course</i>	BITS Pilani Jan 2021 - Jun 2021
<ul style="list-style-type: none">Worked on implementing the Genetic Algorithm to identify the emotion of a masked face from a set of emotions using the OpenFace Toolkit for facial landmark detection.	