

EDUCATION

<b>University of Virginia (UVA)</b> Master of Science in Data Science <b>Capstone Project (sponsored by LMI):</b> <i>Implementing Multimodal RAG based LLM for Education</i> <b>Coursework:</b> <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>	Charlottesville, VA Jun. 2024 – May. 2025
<b>BITS Pilani (Birla Institute of Technology &amp; Science, Pilani)</b> Bachelor of Engineering in Mechanical Engineering, Minor in Data Science	Hyderabad, India 2018 – 2022

SKILLS

**Programming Languages:** Python (NumPy, Pandas, Scikit-learn), R, SQL, JavaScript, C++, MATLAB  
**ML & AI:** Predictive ML, Deep Learning (PyTorch, TensorFlow, Keras), LLMs (LangChain), OpenCV, NLP  
**Cloud & Data Engineering Tools:** Azure (DataBricks, Data Factory, ML Studio), Git, Docker, PySpark  
**Visualization:** Plotly, Power BI, Advanced Excel (VBA, Power Query), d3.js

EXPERIENCE

<b>Piramal Critical Care (PCC)</b> Data Science Lead • <b>Built and led the Data Science &amp; Analytics Team</b> , developing end-to-end data products across Supply Chain, Finance, and Sales to enable data-driven decision making and operational growth. • Engineered <b>automated Data and ML pipelines</b> using Python & SQL for <b>analytics dashboards</b> , minimizing manual reporting effort by <b>85%</b> in <b>30+ reports</b> while improving data accuracy through real-time validation alerts. • Implemented <b>predictive modeling</b> in areas like market share and inventory optimization, achieving <b>40%</b> improvement in supply chain efficiency.	Bethlehem, PA (Remote, India) Jan. 2022 – Jun. 2024
<b>Piramal - Consumer Product Division (CPD)</b> Data Science Intern (6 months) • <b>Main Project:</b> Developed company's first recommendation engine using FP-Growth to optimize product placement. • Improved market penetration of products by <b>15%</b> quarterly in <b>400k+ retailers</b> across India.	Mumbai, India Jul. 2021 – Dec. 2021

PROJECTS

<b>Inventory Management Analytics &amp; Forecasting</b> <i>Machine Learning   Supply Chain &amp; Finance</i> • Implemented a time-series forecasting pipeline using <b>SARIMA</b> for SKU-level inventory prediction and <b>Monte Carlo simulations</b> for scenario planning, reducing monthly write-offs through optimized aging stock management.	Piramal Critical Care Jun. 2023 - Jun. 2024
<b>Product Sales Market Share &amp; Growth Analytics</b> <i>Statistical Modeling   Finance &amp; Sales</i> • Engineering a market analytics framework for the Injectable Pain Segment, using <b>segmentation analysis</b> and <b>competitive benchmarking</b> to evaluate market dynamics, growth opportunities, and portfolio strategy.	Piramal Critical Care May. 2023 - Dec. 2023
<b>Sentiment Analysis Modelling of Employee's Feedback Texts</b> <i>Natural Language Processing   Human Resources</i> • Designed an ensemble sentiment analysis pipeline combining <b>VADER</b> and <b>TextBlob</b> to analyze employee feedback, extract actionable insights, and inform personalized development plans.	Piramal Critical Care Apr. 2022 - Dec. 2022
<b>Attrition Prediction Modelling</b> <i>Machine Learning   Sales Operations</i> • Developed an ensemble ML model of <b>XGBoost</b> and <b>Logistic Regression</b> to predict salesmen attrition, leveraging performance metric and key operational features, achieving an retention ratio of <b>93%</b> for high-performing employees.	Piramal CPD Nov. 2021 - Apr. 2022
<b>Emotion Recognition using Genetic Algorithm</b> <i>Artificial Intelligence, Computer Vision   Artificial Intelligence Course</i> • 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.	BITS Pilani Jan 2021 - Jun 2021