

EDUCATION

<b>University of Virginia (UVA)</b> Master of Science in Data Science	Charlottesville, VA Jun. 2024 – May. 2025
<b>Capstone Project (sponsored by LMI Inc.):</b> <i>Implementing Multimodal RAG based LLM for Education</i> Research on methods to leverage Lecture PDFs, Slides & Videos in LLMs to develop an enhanced, context-rich learning experience.	
<b>Coursework:</b> <i>Statistical Machine Learning • Linear Models • Bayesian Machine Learning • Large-Language Models • Deep Learning • Big Data Systems • Applied Data Engineering • Data Mining • Ethics in Data • Data Structures &amp; Algo • Time Series Analysis</i>	
<b>Birla Institute of Technology &amp; Science, Pilani (BITS Pilani)</b> Bachelor of Engineering in Mechanical Engineering, Minor in Data Science	Hyderabad, India 2018 – 2022

CERTIFICATIONS

- **AWS Certified Solutions Architect – Associate** Amazon Web Services (Jan. 2025)
- **AWS Certified Machine Learning – Associate** Amazon Web Services (Mar. 2025)

SKILLS

**Programming Languages:** Python (NumPy, Pandas, Scikit-learn), R, SQL, JavaScript, C++, MATLAB  
**AI & ML:** Predictive ML, Deep Learning (PyTorch, TensorFlow, Keras), LLMs (LangChain), OpenCV, NLP  
**Cloud & Data Tools:** Azure (DataBricks, Data Factory, ML Studio), AWS (SageMaker, EC2, S3) , Git, Docker, PySpark  
**Visualization:** Power BI, Plotly Dash, Advanced Excel (VBA, Power Query), d3.js

EXPERIENCE

<b>Piramal Critical Care (PCC)</b> Data Science Lead	Bethlehem, PA (Remote, India) Jan. 2022 – Jun. 2024
<ul style="list-style-type: none"><li>• <b>Established and led the Data Science &amp; Analytics Team</b> at PCC, developing end-to-end data products across Supply Chain, Finance, and Sales to enable data-driven decision making and operational growth.</li><li>• <b>Engineered automated Data and ML pipelines</b> using Python &amp; SQL, powering over <b>30 action-oriented analytics dashboards</b> across divisions, reducing manual reporting by <b>85%</b> with real-time validation alerts.</li><li>• Introduced <b>Predictive Modeling</b> for actionable insights in areas like market share and inventory optimization, resulting in a <b>40%</b> improvement in supply chain efficiency and an estimated <b>\$1.2M</b> quarterly savings from reduced write-offs.</li></ul>	
<b>Piramal - Consumer Product Division (CPD)</b> Data Science Intern (6 months)	Mumbai, India Jul. 2021 – Dec. 2021
<ul style="list-style-type: none"><li>• <b>Main Project:</b> Developed company’s first recommendation engine using FP-Growth to optimize product placement.</li><li>• Enhanced market penetration of products by <b>15%</b> quarterly, impacting over <b>400k retailers</b> across India.</li></ul>	

PROFESSIONAL PROJECTS

<b>Inventory Management Analytics &amp; Forecasting</b> <i>Machine Learning   Supply Chain &amp; Finance</i>	Piramal Critical Care Jun. 2023 - Jun. 2024
<ul style="list-style-type: none"><li>• Implemented a time-series forecasting pipeline using <b>S-ARIMA</b> for SKU-level inventory prediction and <b>Monte Carlo simulations</b> for scenario planning, reducing monthly write-offs through optimized aging stock management.</li></ul>	
<b>Product Sales Market Share &amp; Growth Analytics</b> <i>Statistical Modeling   Finance &amp; Sales</i>	Piramal Critical Care May. 2023 - Dec. 2023
<ul style="list-style-type: none"><li>• Engineered a market analytics framework using <b>segmentation analysis</b> and <b>competitive benchmarking</b> to evaluate market dynamics and identify growth opportunities for the Injectable Pain Segment, guiding long-term business strategies.</li></ul>	
<b>Sentiment Analysis Modelling of Employee’s Feedback Texts</b> <i>Natural Language Processing   Human Resources</i>	Piramal Critical Care Apr. 2022 - Dec. 2022
<ul style="list-style-type: none"><li>• Built an ensemble sentiment analysis pipeline combining <b>VADER</b> and <b>TextBlob</b> to analyze employee feedback, extracting key insights to inform personalized development plans and improve employee satisfaction.</li></ul>	
<b>Attrition Prediction Modelling</b> <i>Machine Learning   Sales Operations</i>	Piramal CPD Nov. 2021 - Apr. 2022
<ul style="list-style-type: none"><li>• Developed a model ensemble of <b>XGBoost</b> and <b>Logistic Regression</b> to predict attrition among sales employees, achieving a <b>93% retention rate</b> for high-performing employees by leveraging performance metrics and key operational features.</li></ul>	