

TECHNICAL STACK

- **DS/ML/AI** – Python, Statistics, Machine Learning, Deep Learning, NLP, DS lifecycle, Analysis Skills, Transfer Learning.
- **ML Framework/modules** – Sklearn, Tensorflow, keras, Numpy, Pandas etc.
- **Programming and DB Languages** – Python, MySQL, Vector Databases.
- **Data Visualization** - Power BI, Matplotlib, Seaborn.
- **LLM tools and frameworks** - Langchain, Openai apis, Open Source LLMs.
- **Application Packaging** – PowerShell, InstallShield, AdminStudio, SCCM, Microsoft Intune, Cloud PC.
- **Soft Skills** – Communication, Teamwork, Negotiation Skills, Adaptability, Leadership.

Projects

<b>PDF QUERY CHATBOT</b> – Personal Project	<b>March 2024</b>
<ul style="list-style-type: none"><li>• Generative AI for PDF Search: Built a Langchain-based chatbot that leverages an OpenAI LLM to understand user queries and retrieve information from PDFs.</li><li>• Used NLP techniques (text extraction, chunking) for efficient processing.</li><li>• Semantic Search with Cassandra: Employed vector embeddings for efficient search and retrieval of relevant answers from the indexed PDFs, leveraging Cassandra for scalable storage.</li></ul>	
<b>MCQ Generator</b> – Personal Project	<b>March2024</b>
<ul style="list-style-type: none"><li>• Automated MCQ Generator: Built an end-to-end solution (Langchain AI) to automatically generate MCQs from uploaded content (PDF/text), eliminating manual work.</li><li>• Streamlit UI: Build A User-friendly interface allows effortless content upload, MCQ configuration (count, subject, tone), and seamless generation.</li><li>• Smart Resource Management: Tracks token usage during generation for cost-efficient utilization of Openai APIs.</li></ul>	
<b>Customer Churn Prediction</b> – Personal Project	<b>September 2023</b>
<ul style="list-style-type: none"><li>• Objective: Successfully crafted an Artificial Neural Network (ANN) model dedicated to forecasting customer churn within a corporate context.</li><li>• Approach: Leveraged extensive historical customer data encompassing behavioral patterns, demographic information, and interaction records.</li><li>• Outcomes: Demonstrated proficiency by attaining model stability, reflected in a training loss of 0.3189 and an impressive accuracy rate of 0.8629..</li></ul>	

EDUCATION

<b>Oriental Institute of Science &amp; Technology(Bhopal)</b>	<b>Sept 2024 – Present</b>
Master of Computer Applications (MCA)	
<b>LNCT University(Bhopal)</b>	<b>Sept 2021 – June 2024</b>
Bachelor of Computer Applications (BCA)	
Specialization in AI/Data Analytics, CGPA: 8.34	

EXPERIENCE

<b>ART - Abstinent Research &amp; Technologies</b> – Python Developer Intern	<b>Jan 2024 – July 2024</b>
<b>Developed An End-to-End LLM Application For Chatting With MySQL Using An LLM</b> -	
<ul style="list-style-type: none"><li>• Configured MySQL database connection.</li><li>• Utilized an open ai model to convert natural language to SQL queries.</li><li>• Connected to MySQL using mysql-connector-python.</li><li>• Enabled selection of multiple tables for fetching results.</li><li>• Generated SQL queries and retrieved results.</li></ul>	

## **Tata Consultancy Services (TCS)**

### **Graduate Trainee – Application Packaging Associate**

**October 2024 – Present**

- Streamlined application packaging and repackaging using **InstallShield** and **AdminStudio**, ensuring efficient and accurate software preparation.
- Deployed applications across enterprise environments using **Microsoft Intune** and **SCCM**, ensuring seamless integration and delivery.
- Automated repetitive tasks using **PowerShell scripting**, reducing manual workload by X% and improving operational efficiency.
- Demonstrated strong problem-solving and analytical skills in troubleshooting deployment issues and system management.

## **LICENSES & CERTIFICATIONS**

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- Data Analytics and Visualization Virtual Experience – Accenture
- British Airways Data Science - British Airways
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Statistical Data Analysis using Python)
- Certificate of Accomplishment - Samatrix Consulting Private Limited (Foundation to AI Data Science& Data Analysis)