

Mayan Kumar

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SUMMARY

Experienced Data Scientist with 2.3 years of expertise in machine learning and data-driven solutions. Proven track record in optimizing business processes and enhancing decision-making through advanced analytics. Skilled in fostering collaborative relationships and leveraging analytical prowess to drive impactful outcomes.

EXPERIENCE

PRODAPT SOLUTIONS PRIVATE LIMITED

Data Scientist (Senior Software Engineer)

📅 Jun 2022 – Present

📍 Chennai, TN

Data Applications

- Led **KPI Analysis & Dashboard Development** using **Python, SQL, Power BI, Big-query, Excel**. Enhanced stakeholder decision making by providing actionable insights, resulting in a significant **20% reduction** in company fallout rates.
- Optimized fiber installation routes through **python-based data analysis**, resulting in a remarkable **40% reduction** in customer connection time.
- Designed a **Power BI dashboard** to track employee data for the HR team, including working hours, attendance, performance, and leaves. The dashboard streamlined HR process and increased efficiency results in **saving 3-4 hours** of work for the HR daily.
- Conducted daily data analysis and engagement with clients, utilizing **Python, SQL, Big-query, Power BI, Excel**. Resulted in increased operational efficiency and provided valuable support for cross-functional team

Machine Learning and Deep Learning Projects

- Utilized TFIDF vectorization to create an NLP text classifier, achieving almost **90% accuracy** in analyzing field technician comments. Demonstrated foundational skill in natural language processing, contributing to effective text-based data analysis.
- Developed a deep learning model for **Due date prediction**, utilizing historical order data from LATAM and EU regions. Applied foundational deep learning techniques to enhance predictive modeling capabilities

Generative AI projects

- Developing an **advanced chatbot** leveraging the **LangChain framework and Gemini-pro**, with the goal of improving customer support by cutting response times by over **40%**.
- Developed an intelligent chatbot leveraging **Gemini-Pro and Pandas AI**, enabling seamless interaction with structured data sources to generate textual, graphical, and tabular outputs, reducing data analysis time by up to **40%** and enhancing decision-making efficiency.

SKILLS

Back End	Python, C++
Front End	HTML, CSS
Tools	Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel, Jupyter Hub, Git/GitHub
DBMS	SQL, BigQuery
Framework	Flask, Fast API, LangChain(Basic)
Algorithms	TensorFlow, Keras, Linear and Polynomial, Ridge and Lasso, Elastic Net, Logistic Regression, SVM, Decision Tree, Random Forest

EDUCATION

CUSAT	Cochin, India
<i>Bachelor of Technology - ECE</i>	
- CGPA: 8.6	
- Graduated with Distinction and First class	

ACHIEVEMENTS

PRODAPT SOLUTION

Spotlight Awards

- Multiple honors for my performance and timely completion of crucial functions on essential tasks.
- Earned 5 stars in problem solving on HackerRank.
- Earned 5 stars in SQL and Python on HackerRank.

CERTIFICATIONS

- Google Cloud Certified Associate Cloud Engineer
- Machine Learning
- Generative AI & Machine Learning
- C++ Programming

INTERESTS

- Playing Chess
- Geopolitics Analysis