

Tanmay Sharma

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Education

Indian Institute of Technology Madras (IITM), Data Science and Applications	2021 – 2025
BK Birla Institute of Engineering and Technology, Computer Science and Engineering	2021 – 2025
<ul style="list-style-type: none">• Coursework: Statistics, Business Analytics, Business Data Management, Machine Learning, Deep Learning, Database management system	

Experience

DATA ANALYTICS INTERN, Team Computers, Gurugram	July 2024 – Aug 2024
Skills: Python, Pandas, PySpark, Databricks, Power BI, Data Analysis, Data Visualization	
<ul style="list-style-type: none">• Developed and implemented ETL pipelines in Databricks using PySpark to clean and transform large datasets.• Analyzed and visualized data insights in Power BI, presenting findings to team leads for strategic decision-making.• Conducted web scraping for cryptocurrency data, automating data collection and preprocessing using Python	

Skills

Languages: C++, Python, Sql, Flask, Vue.js

Technologies: Machine Learning, Data Analysis, Data Visualization, Natural Language Processing (NLP), MS Excel, Power BI, Gen AI, Jira

Projects

RAG Document & Github Chatbot	link
Skills: Python, RAG, LLM APIs, FAISS, Prompt Engineering, Google Generative AI, Flask, Vue.js	
<ul style="list-style-type: none">• Developed a Retrieval-Augmented Generation (RAG) chatbot capable of interacting with GitHub repositories, uploaded code, and PDF documents using Gemini for contextual Q&A and summarization.• Integrated FAISS vector database for efficient document retrieval and similarity search within the RAG pipeline.• Integrated Vue.js and Flask for a seamless frontend-backend workflow, enabling real-time file uploads and conversational AI.	
Enhancing Profitability and Sales Growth	link
Skills: Excel, Power BI, Machine Learning, Flask, Financial Data Analytics	
<ul style="list-style-type: none">• Conducted data-driven analysis to improve business profitability, using Power BI and Excel for interactive dashboards. Increased profit margin from 6% to 10%• Developed ML predictive model for sales growth and customer engagement using machine learning and deployed them in a Flask-based web app.	
Sentiment Analysis	link
Skills: Machine Learning, Sklearn, Python, Natural Language Processing (NLP)	
<ul style="list-style-type: none">• Developed a sentiment analysis model that automatically analyzes and classifies sentiments in movie reviews, achieving an accuracy score of 80.55%• Classified reviews as positive or negative based on the emotional tone of the text.	
TMS Library - Library Management System	link
Skills: Flask, Vue.js, SQLite, Redis, Celery, Bootstrap, API Performance, Machine Learning	
<ul style="list-style-type: none">• Developed a multi-user platform using Flask, SQLite, and Vue.js for managing e-books, incorporating role-based access for librarians and users.• Integrated Redis for caching and Celery for jobs scheduling features.	