



Aditya Bhatt

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## EDUCATION

**PG Diploma in Software Engineering for Data Science** (IIIT Hyderabad)

Jun 2022 - Dec 2023

**Relevant Project Work:** Secured 1<sup>st</sup> position in Car Price Prediction Hackathon (AI). [Portfolio 1](#) [Portfolio 2](#)

**BSC(H) Statistics**

(Delhi University)

CGPA:9.14/10

Apr 2019- Apr 2022

**Relevant Project Work:** Developed machine learning solution for classification of people which would be used to allot social economic welfare to them, presented the same in Ramanujan College and won Idea presentation Competition.

## EXPERIENCE

**Mccormick – Supply Chain Analyst 1**

Apr 2024 – Present

*Creating global flavor experiences that make every meal and moment better.*

- Developed ETL processes on Azure Synapse with Gen 2 DL for data aggregation and preprocessing, created a forecasting algorithm for vinegar price prediction, and integrated Power BI for dynamic reporting, providing stakeholders with actionable insights.
- Led translation efforts across the organization, saving \$15K by developing a POC with Gemini, GPT-4, Python, and Azure AI, which significantly reduced document translation time.
- Developed an Azure Synapse solution utilizing Azure OpenAI for a RAG-based HR chatbot, enhancing response tracking and optimizing token management.
- Developed an Azure Synapse pipeline to automate PDF text extraction using Azure Document Intelligence Studio and process translation using GPT4-o, Gemini 1.5 Flash, Mistral 7B streamlining document handling and improving multilingual support for food labels.
- Developing an AI agent using Traviy, SerpAPI, Gemini, GPT-4, and LangChain to autonomously search the web, extract relevant information from URLs, and parse content helping risk analyst to keep up to date with information in context of Mccormick.
- Developed an LLM-based classification system using Gemini on Azure Synapse and Vertex AI Studio, integrating GenAI and fuzzy matching to reduce manual labeling by 80%, enhance Scope 3 emissions measurement, and identify child labor risks among vendors, advancing sustainability goals
- Set up a Power Automate flow to fetch image attachments from Power BI reports, move them to SharePoint and then to Blob storage (Via ADF), and pass the images to GPT-4 for in-depth analysis and to help buyers understand technical analysis charts in a simple fashion.
- Built a CSV chatbot Agent using LangChain, Pandas agent, and Streamlit to enable finance teams to analyze budget data interactively, leveraging Azure OpenAI for efficient query handling and insights
- Led migration of financial models to production, implementing generative ai summaries, data flows, and Power Query parameters to streamline processes and enhance analysis efficiency
- Built a platform using Streamlit, Whisper, GTTS, and Azure OpenAI for speech-to-text, translation, and MP4 subtitle generation with subtitle translation using MoviePy and SRT format.
- Designed and implemented FastAPI endpoints to deploy and integrate AI models and services, ensuring seamless functionality.

**Neenopal - Business Analyst**

July 2022 – Apr 2024

*global management consulting firm with a unique and specialized focus on Data Science*

- Worked with a logistics firm of Sri Lanka was involved in KPI Gathering, Data cleaning, Query (SQL & DAX) Development, Client Handling and creating Power BI Dashboards concerning to logistics, Finance and Volume department of the company. This helped them to track, close tickets and optimize their operations.
- Created custom Power BI dashboards for a SaaS client to track income, balance, and cash flow, helping them manage finances and improve profitability also worked on [Mockup.AI](#), created a marketplace for HR, Finance Based Dashboards in Power BI.

- Worked on Sales Plug and play model helping companies **track AOV, MAU, RFM, Product Penetration**, Regional Analysis, Top N Summary, Order Value Summary and Predicting Sales by integrating **AI based time series** forecasting (Using **Prophet**) in Power BI.
- Created business insights to optimize return on investment (ROI) by interpreting key trends in web, content, and advertising analytics, and using tools such as **Tableau Prep, Tableau Stored Procedures, Power BI datasets and Power BI**.
- Worked on developing interactive dashboards for the GA4 playbook by using BigQuery and Power BI to track key performance indicators such as daily active users, new users, repeat orders, and revenue. Additionally, conducted **cohort analysis, heatmap analysis**.
- Created and deployed a **Power Apps-based application for comment capture and manager approval, seamlessly integrated with Power BI, Power automate** for data analysis, Integrated a **Power Virtual Agents** chatbot with the same for FAQ Section.
- Orchestrated a comprehensive marketing performance analysis by aggregating data from **Facebook, LinkedIn, Google Ads, Google Analytics, and Klaviyo**. Utilized **BigQuery** to create views. The developed report, featuring visualizations and trend analyses, facilitated optimized budget allocation and contributed to **enhanced marketing effectiveness**.
- Collaborated with the **HR team** to develop an AI-driven resume screening application and automate campus hiring processes. Leveraging technologies such as **PyPDF2, regex, Azure AI, and cosine similarity** for efficient text parsing and matching. The implementation resulted in a **50% reduction in time spent** on these tasks.

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## SKILLS AND PROFICIENCIES

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- **Programming (Python, R, Pyspark, Syntactical JS, C)**
- **Visualization (Power BI, Tableau, Matplotlib, Seaborn, Plotly, ggplot, Folium, Excel, R, Google Data Studio)**
- **Machine Learning (Supervised and Unsupervised Learning, ANN, CNN, RNN, LSTM, Time Series Analysis, PyCaret, Pytorch, TensorFlow, MLFlow, Azure ML Studio, Azure Language, Azure Vision, Text Preprocessing, Text Encoding & Embedding, Hugging Face, OpenAI, Langchain, RAG, Fine Tuning, Langsmith, LLMs, AzureOpenAI, Chainlit, NLP, Transformers, Google Vertex AI, AI Agents, Langgraph)**
- **Statistics (Descriptive Statistics, Inferential Statistics, Algebra, SPSS, Hypothesis Testing, Survey Sampling, Linear Modelling)**
- **Database (Azure Sql, MySQL, T-SQL, Postgre SQL, SparkSQL, MongoDB, Cassandra, MQL, Vector DBs)**
- **Deployment/Backend (Flask, FastAPI, Streamlit, Heroku, Azure, AWS SageMaker, Docker, PyTest, SQLAlchemy, Azure DevOps, GitHub)**
- **Others (Power Platform, TableauPrep, BeautifulSoup, SAP Crystal Report, Azure Data Factory, Azure DataBricks, Azure Synapse, Explainable AI, HTML, Recommendation System, Markov Decision Process)**

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## CERTIFICATIONS / ACHIEVEMENTS/ OTHER RELEVANT WORK (PERSONAL PROJECTS)

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1. **Worked at Ineuron.AI from Sep 2021 to Dec 2021 as a Junior Data Scientist.** Developed **SQL** queries for sales insights, **creating dashboards with Tableau and Power BI**, mentoring students on **machine learning and deep learning**.
2. Worked in **Analytics Vidhya internship**, worked on **lead scoring using machine learning** and helped marketing team increase conversions by 23-25% and developed a python module for students.
3. Cleared **PL-900 Microsoft Certification** (Power Platform Fundamentals), [Cleared DP-100 \(Microsoft Certified: Azure Data Scientist Associate\)](#), [Cleared DP-203 \(Microsoft Certified: Azure Data Engineer Associate\)](#).
4. Cleared **SQL Basic, Intermediate, and Advanced exams**, achieved **Python and SQL Gold Batch at HackerRank**.
5. [Awarded Employee of the Quarter for Q2 2023 & Awarded Special Mention for Quarter Q4 2023.](#)
6. Created a chatbot named "**SAIBABA-GPT**," which received **7.2K** requests within its first week of launch. This chatbot was designed to help people converse with Saibaba and alleviate their stress.
7. **Authored numerous blogs on AI and BI topics**, including [activation functions](#), [specificity and sensitivity](#), [spatial analytics in Tableau](#), [Power BI tips and tricks](#), [Blogs on AI/GEN-AI](#).
8. Created a Udemy Course on [AI Engineering](#).
9. Working on building **AUTO-DASH (Product Demo)**, an open-source initiative that will help organizations create internal dashboards (similar to Power BI) in seconds, not days.
10. Launched AI-driven [Data Resources Chatbot](#): Flask backend, LangChain NLP, Claude AI, centralizing my personal data science resources.
11. Top 5 Finalist in the [Google Gemini Hackathon](#), where I presented a GenAI-powered [SaaS solution](#) for automating marketing in the hospitality industry.
12. Developing digital AI [agents](#) as a virtual workforce to assist organizations in boosting productivity through digital employees. ([Check my agents](#))