Aditya Bhatt

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EDUCATION

PG Diploma in Software Engineering for Data Science   *(IIIT Hyderabad)*   *Jun 2022 - Dec 2023*

Secured 1st 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.** Developed **Database and reporting solution** for Placement Cell of the college.

EXPERIENCE

Neenopal - Business Analyst   *July 2022 – Present*

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.**

- Worked with SAAS client to help them better manage their finances by developing dashboards for their **income statement, balance sheet, and cash flow**. **The Power BI dashboards were customized to their specific business needs and preferences, allowing them to track their financial metrics at a granular level and take proactive actions to maximize their profitability**.

- 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, 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 and Power BI** for data preparation and tracking performance. Additionally, identifying areas for improvement such as open rate, QUE, subscriptions, and cost control.

- 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, and identified the best performing days and sources driving most of the website's traffic.**

- Worked with a logistics company used **SQL, Power BI & Power Query** analyzing 256 variables. Created a report to identify top sales performers helping them fastrack rewards to the best performers

- Created and deployed a **Power Apps-based application for comment capture and manager approval, seamlessly integrated with Power BI, Power automate** for data analysis, enabling streamlined workflows and data-driven insights. 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.**

- Worked on creating **stored procedures and Power BI datasets** in healthcare analytics. Proficient in **Power BI** report creation, with active client management. Key contributor to strategic marketing plans and backend development for a healthcare company.

Ineuron.AI   ***Sep 2021 –Dec 2021***

Ineuron.AI started as a product development company, then launched its ed-tech division.

- Worked on SQL queries to find insights related to sales, creating dashboards using **Tableau and Power BI** to visualize a company's profit and student performance, mentoring **data analysis students and machine learning participants**, and creating statistical presentations using **Python, R, and BI** tools for clients.

SKILLS AND PROFICIENCIES

- **Programming** (Python, R, Pyspark)
- **Visualization** (Power BI, Tableau, Matplotlib, Seaborn, Plotly, ggplot, Folium, Excel, R, Google Data Studio)
- **Machine Learning** (Supervised and Unsupervised Learning, ANN, CNN, Time Series Analysis, PyCaret,Pytorch,TensorFlow, MLFlow, Azure ML Studio)
- **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)
- **Deployment** (Flask, Streamlit, Heroku, Azure, AWS SageMaker, Docker)
- **Others** (Power Platform, TableauPrep, BeautifulSoup, SAP Crastal Report, Azure Data Factory,Azure DataBricks)

- **PERSONAL PROJECTS / POC**

1. **Health Mate (Heathtech)**:

   . Developed a web app to help users get health solutions such as medical insurance prediction, diabetes and stroke detection, and happiness index.

   . Utilized Python, Streamlit, Heroku, Cassandra (database), Flask, and Power BI for the development.

   . Implemented ETL, exploratory data analysis and visualizations, model training and deployed the app using Streamlit and Heroku. **The web app can help users get personalized health solutions, which would improve the user experience and help them make informed decisions.**

   Github | Demo

2.**House Price Prediction (Real Estate):**

   . Spearheaded a comprehensive AI project, incorporating methodologies to ensure seamless data processing and analysis. Utilizing **PySpark**, I efficiently transformed and cleansed data, while **Kafka facilitated data ingestion Explainable AI** techniques ensured transparent model predictions.

   . Successfully **Dockerized** the project, simplifying sharing and deployment, and maintained meticulous documentation to enhance project understanding. Employing GitHub for version Control.

   . Created AI System that helps us to predict property prices with an accuracy of 85%

   . Used Pyspak, Kafka, Pandas, Pycaret, Docker, Modular coding, Github and Explainable AI.

   Github |Technical Architecture

3.**Let India Breathe (Environment Science):**

   . Leveraged **PySpark on Azure Databricks** for data science, analyzing and modeling PM 2.5 levels across **467 files** stored on Azure Blob Storage. Implemented **MLFlow** to deploy models, creating real-time REST endpoints. This interdisciplinary approach aims to provide actionable insights for policymakers and communities, bridging the gap between environmental science and ai.

   Demo

- **Blogs:**

   [Sensitivity and Specificity](#) [Activation Function](#)   [Spatial Analytics Using Tableau](#) [Tips & Tricks For Power BI](#)

- **CERTIFICATIONS / ACHIVEMENTS**

1.Worked in **Analytics Vidhya summer internship**, worked on **lead scoring using machine learning and helped marketing team increase conversions by 23-25% and developed a python module for students.**

2.Cleared **PL-900 Microsoft Certification** (Power Platform Fundamentals)

3.Cleared **SQL Basic, Intermediate, Advanced** exam at HackerRank.

4.**Python, SQL Gold Batch** at HackerRank.

5. **Made five submissions in Kaggle competitions ranked in top 40% in 3nd competition and ranked top 45% in 2nd competition**

6. **[Awarded Employee of the Quarter for Q2 2023](#)**

7.**[Cleared DP-100 (Microsoft Certified: Azure Data Scientist Associate)](#)**