

AYUSH PANCHAITY

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Bangalore

EDUCATION

PG DIPLOMA in DATA SCIENCE, 2020
IIIT Bangalore via UpGrad

B.Tech Mechanical, 2016
VIT Vellore

SKILLS

Data Cleaning, Data Visualization,
EDA, Data Modelling, Data
Mining, Reporting, Statistical
Analysis, Data Interpretation,
Project Management, Client
Engagement/Communication

TOOLS

Python
Pyspark
Tableau
Azure Data factory
Azure Databricks
SQL
GIT

AWARDS

SMART TEAM (The Smart Cube)
Q2'20; Q1'21; Q3'21; Q4'22, Q1'23;
Q2'23
KUDOS (The Smart Cube)
Q2'20; Q1'21; Q1'23
HIGH HONOURS (The Smart Cube)
Q2'20; Q3'21, Q2'23

INTERNSHIP

NTPC Bilaspur
Mar'18-May'18

Senior Associate (Data Scientist) PWC (USA)

Machine Learning | Python | Azure
Databricks | Visualization

Results-driven Advanced Analytics Lead with ~5 years of experience (**total 7 years in IT**) in analyzing complex quantitative datasets, identifying trends, and providing actionable insights to drive business growth through customized analytics and machine learning solutions to global clients. Strong problem-solving skills and a proven track record of delivering strategic recommendations to enhance operational efficiency in a collaborative setting.

WORK EXPERIENCE

Senior Associate (Data Scientist) PWC (USA) | May'2024 - Present

- Led FMCG client's demand forecasting with **LGBM**, using **AWS SageMaker**, achieving significant revenue and profit improvement.
- Championed **CPG-tailored data preprocessing** for accurate predictions. Delivered key findings that drove informed project decision.
- Provided technical expertise and addressed client queries during the **POC**.
- Preprocessed various sources of data** to form modeling data, enabling data-driven decision making for client.

Assistant Manager (Advanced Analytics) The Smart Cube | Jan'2022 - April'2024

- Working as a lead data scientist for a Europe-based **FMCG** client to optimize and quantify the impact of net revenue and profits using **Demand Forecasting** for the **client** and **retailer**. Monitoring end to end machine learning pipelines for ML models on **Azure Data Factory**.
- Collaborated with cross-functional team members such as product owners and data engineers to understand the business perspective and develop **end to end pipeline code using python**.
- Created a **Light Gradient Boosting (Ensemble) & XG Boost model** for demand forecasting (**Regression**) using python to know the demand, i.e., unit's prediction.
- Created Various Automated code in python to identify the issues in Data, created several EDA using (**Excel and Tableau**) to find the bugs in the data and sent to Business for clarification.
- Using **Medallion Architecture** (converted silver **Delta lakes** to Gold **Delta lake** table) using **PySpark, SQL**
- Team management responsibility involves training, planning, and reviewing work of a team of analysts, strategically improving the team's engagement, conducting performance discussions, and writing appraisal reviews.
- Supporting internal stakeholders to formulate analytics assets, POCs, capabilities, and internal projects.

Senior Analyst (Advanced Analytics) The Smart Cube | April'2020 - Jan'2022

- Market Mix Modelling** : Helped a leading FMCG client in optimizing and Quantifying the impact of various drivers such as Distribution, Price and Media on the sales volume

Trainee Data Scientist Technosoft Global Services | Aug'2019 - Feb'2020

- Created a model to predict whether the patients' claim will be denied or not, and if denied, then what is the reason of denial.
- Created **Logistic Regression Model** used various metrics to decide which model is best.
- Developed interactive **Tableau dashboards** to aid cross-functional teams in visualizing data and making data-driven decisions.
- Collaborated with stakeholders to define key KPIs and track metrics to produce several monthly/quarterly and ad-hoc reports on Excel and Tableau.

Application Development Analyst Accenture Tech | Jan'2017 - July'2019

- Automated the testing process, which accelerated the test procedures and resulted in overall 60% increase in efficiency.
- Created various java scripts and used selenium to automate the Web Testing.
- Led a team of 2 people to perform end-to-end testing for the builds provided.