



Tanmay Mhatre

Data Scientist | Business Analyst

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PROFESSIONAL SUMMARY

Results-driven professional with 2 years of experience as an Associate Data Scientist and Business Analyst. Proficient in Python, SQL, and Tableau, achieving a 30% reduction in analysis time and a 25% improvement in workflow efficiency. Demonstrated expertise in software quality assurance, reducing bugs by 40% through effective testing. Skilled in developing customer segmentation models, and enhancing business processes. Currently pursuing an MSc in Computer Science at Paderborn University, Germany, with a focus on advanced analytics and scalable solutions.

SKILLS

Data Skills: Data Cleansing & Preprocessing, Data Visualisation, Data Modelling, Predictive Analysis, Statistical Analysis, Data Mining, Machine Learning, Relational Databases

Tools/Framework: SQL (MySQL, Microsoft SQL Server, Big Query), Python (Pandas, NumPy, SciPy), Power BI (DAX Queries), ETL Processes, Google Cloud, Advanced Excel (Pivot Tables, VLOOKUP)

Project Management: Stakeholder Management, Agile Methodologies & Scrum, Requirements Gathering, Jira, Confluence, Trello

WORK EXPERIENCE

Reliance Jio	July 2022 - Nov 2024
Associate Data Scientist	Mumbai, India
<ul style="list-style-type: none">Developed and automated Exploratory Data Analysis (EDA) processes that reduced analysis time by 30- Implemented a customer taxonomy project using PySpark to segment customers based on purchasing behavior and demographics, enhancing targeted marketing strategies.Optimized data pipelines and analysis workflows, resulting in a 25% improvement.Conducted ad-hoc reporting and data analysis for stakeholders, aligning platform insights with business goals to drive performance improvements	
Business Analyst	
<ul style="list-style-type: none">Delivered a comprehensive JioMart pending refunds report, streamlining the refund process and enhancing customer satisfaction by improving resolution efficiency.Designed and developed interactive Tableau, Power BI dashboards for stakeholders, presenting key metrics and enabling data-driven decision-making.Conducted advanced SQL queries to analyze customer behavior trends, uncovering actionable insights that drove strategic initiatives.Optimized reporting workflows and facilitated requirements gathering, ensuring alignment with business goals and improved communication in an Agile environment.	
Graduate Engineer Trainee	
<ul style="list-style-type: none">Conducted service functionality and performance testing to ensure high-quality software delivery.Implemented quality assurance processes that reduced bugs by 40- Managed cloud-based IT project delivery, coordinating with cross-functional teams to meet project deadlines effectively	

EDUCATION

MSc Computer Science	Oct 2024 - Oct 2026
Paderborn University, Germany	
B Tech. Information Technology	Jun 2019 - May 2022
Mumbai University Grade: Distinction	

PROJECTS

Emotion Recognition Using Physiological Signals
<ul style="list-style-type: none">Developed an emotion recognition model utilizing physiological signals using Python from k-Emo Con dataset. (heart rate, Blood Volume Pulse [BVP], and Electrodermal Activity [EDA]).Preprocessed and extracted key features from raw physiological data, synchronized with timestamps and incorporated emotion annotations from 32 participants.Achieved an accuracy rate of 74% in classifying emotional states, contributing to advancements in affective computing and human-computer interaction.

DSE Finder (Progressive Web Application)

- Created a college recommendation and cutoff prediction system for diploma students based on multiple criteria such as location, course preferences, and academic performance.
- Assisted students in making informed decisions about their educational paths.