

MAHIMA SADANANDA

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Education

The University of Sheffield

Sept 2022 – Sept 2023

MSc in Data Science

Sheffield, UK

Key Modules: Introduction To Data Science, Data Visualization, Data and Society, Data Analysis, Data Mining, Database Design, Business Intelligence, and Big Data Analytics

Presidency University Bengaluru

July 2017 – Jun 2021

Bachelor of Technology in Electronics and Communication Engineering

Bengaluru, India

Key Modules: Engineering Mathematics, Computer Programming, and Artificial Neural Network

Skills

Programming: Python (pandas, NumPy), R (dplyr, tidyr, readr), SQL

Analytical Tools: MS Excel (VLOOKUP, Conditional Formatting, Pivot Tables), Power Query Editor, DataBricks, SPSS

Visualization: Microsoft Power BI, Jupyter Notebook/Google Colab (matplotlib, seaborn, Plotly), Excel Charts

Database: MySQL (MySQL Workbench, Microsoft SQL Server Studio)

Software: GitHub, JIRA

Soft Skills: Communication, Presentation, Storytelling

Experience

Accenture Solutions Private Limited

Jun 2021 – Aug 2022

Application Development Associate (Data Engineer)

Bengaluru, India

- Implemented ingestion pipelines from diverse sources like REST API, SMB, SFTP and JDBC on the Hadoop gateway, optimizing data flow.
- Executed deployment plans, ensuring flawless production releases, enhancing overall system functionality through rigorous testing and analysis of new components.
- Organized and prioritized user stories in sprints, addressing tickets and resolving issues systematically to boost project efficiency and delivery.

Projects

Detection of Fake News using Machine Learning Algorithm (Academic Project) | *Python* Jun 2023 – Sept 2023

- Engineered a fake news identification algorithm in Python, leveraging four models, where XGBoost excelled with 97.857% accuracy.
- Explored impactful features in fake news detection, highlighting word2vec vectors' dominance among the top 35 features.
- Analysed the effect of sentimental features both individually and in combination with textual and word embedding.

Youtube Data Analysis | *Python, Youtube API*

Dec 2023

- Investigated YouTube data for leading music artists, employing Python and NLP to extract crucial performance metrics.
- Generated 2 datasets by leveraging the YouTube API, revealing insights into artists' views, engagement, and video trends.
- Crafted compelling visualizations using Seaborn, Plotly, and WordCloud, summarizing essential metrics for singers.

Music Store Analysis | *SQL*

Nov 2023

- Employed SQL to draw insights from 11 tables, employing JOIN and Subquery for a comprehensive analysis of the music store data.
- Altered and optimized data using aggregating and filtering functions, streamlining the reporting process.
- Dived into sales patterns, customer behaviours, genre and artist popularity, global trends, playlists, and employee dynamics in the music industry.

Banking Sector Churn Dashboard | *Microsoft Power BI*

Oct 2023

- Created a dashboard with Power BI to gain insights into RBC Bank's customer churn.
- Transformed and processed the datasets by using DAX to ensure data completeness and validity.
- Identified key metrics, visualized insights, and Enhanced presentation using slicers.

E-commerce Sales Analysis | *Python*

Apr 2023

- Analyzed e-commerce sales dataset using Python to uncover sales trends and product demand insights.
- Utilized Pandas and Matplotlib to visualize sales trends, geographic patterns, and revenue distribution.
- Extracted key financial insights, addressing revenue impact, order statuses, and high-demand product profitability.

Certifications

Microsoft Excel - Excel from Beginner to Advanced

Udemy

Dec 2023 - Current

Kyle Pew, Office Newb

Key Topics: Data Entry and Formatting, Basic Formulas and Functions, Data Sorting and Filtering, PivotTables, VLOOKUP and HLOOKUP, Excel Charts

Statistics for Data Science and Business Analysis

Udemy

Oct 2023

365 Careers

Key Topics: Descriptive Statistics, Inferential Statistics, Hypothesis Testing, Distribution, Confidence Interval, Regression Analysis

Microsoft Power BI Desktop for Business Intelligence

Udemy

Oct 2023

Maven Analytics

Key Topics: Connecting and Shaping Data, Creating a Relational Data Model, Adding Calculated Fields with DAX, Visualizing Data with Reports, Artificial Intelligence Tools

Data Analysis with R Programming

Coursera

Oct 2022

Google

Key Topics: Data Analysis Fundamentals, R Programming, Data Visualization using R

SQL for Data Science

Coursera

Jul 2020

UCDAVIS

Key Topics: Introduction to SQL, Querying Data, Joining Tables, Data Manipulation, Data Analysis with SQL

Programming for Everybody (Getting Started with Python)

Coursera

May 2020

University of Michigan

Key Topics: Conditional Statements, Functions, Loops and iterations