

Devanshi Dudhatra

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OBJECTIVE

Driven data science enthusiast with a solid foundation in programming, machine learning, and data analysis. Eager to apply analytical skills and data-driven decision-making in a challenging environment, contributing to innovative solutions and gaining hands-on experience in the field of data science.

EDUCATION

Pandit Deendayal Energy University

2022 - Present

Bachelor of Technology in Computer Science

Current GPA: 9.4/10

PV Modi High School

October 2022

Percent: 93.5

SKILLS

Programming Languages: C, Python, C++

Data Science Machine Learning: Pandas, Scikit-learn, TensorFlow, Data Visualization (Matplotlib, Seaborn)

Web Development: Flask, HTML/CSS, JavaScript

Database Systems: MySQL, MongoDB

Tools Technologies: Jupyter Notebooks, SQL, Tableau, PowerBI, Git, VS Code

EXPERIENCE

Mind Ripple Club | *Event Management Head*

June 2024 - Present

Led a team in planning and executing university events, developing leadership and strategic planning skills.

Society of Mathematics Club | *Core member of Content and Documentation Department*

October 2022 - June 2024

Gained a lot of experience in writing emails, composing blogs, event reports, budget proposals, event proposal forms, event closer forms, etc.

Rural Internship | *Intern*


June 2023 - July 2023

Worked at All India Women's Conference and learned about Work Ethics

PROJECTS

Stock Data Fetching Tool | *Python, Streamlit, yFinance, Matplotlib, AutoGen* 

- Built a Streamlit-based application to fetch and visualize stock data for multiple tickers over a specified period.
- Utilized yFinance for data extraction and Matplotlib for comparative graphical analysis of stock prices.
- Integrated AutoGen to enhance user interaction and tool functionality.
- Enabled customizable outputs with options for text summaries, graphs, or both.

Handwritten Digit Recognition | *Python, TensorFlow/Keras, OpenCV, NumPy, Matplotlib* 

- Developed a deep learning model using CNN to classify handwritten digits from the MNIST dataset.
- Preprocessed images using OpenCV to enhance model accuracy.
- Trained the model with TensorFlow/Keras, achieving high accuracy in digit recognition.

Sales Report Automation | *Microsoft Excel*



- Created a dynamic sales report in Excel by automating data sorting, filtering, and categorization, integrating advanced formulas, PivotTables, and Conditional Formatting for insights.
- Designed interactive dashboards with slicers, formatted charts, and external data imports to enhance analysis accuracy and navigation.

Trendwise: Fashion Trend Chatbot | *Python, NLP, TensorFlow, Streamlit*



- Developed during Myntra HackerRamp.
- Built an AI-powered chatbot to help users stay updated with fashion trends. Implemented natural language processing to interpret and respond to user queries.

MealMate- Recipe Recommender Bot | *Python, Pandas, Scikit-learn, Streamlit*

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- Engineered an AI-powered recipe assistant using Streamlit and Google Gemini AI to recommend recipes, suggest meals based on ingredients, and locate nearby restaurants.
- Incorporated NLP-based queries for personalized cooking ideas and dining recommendations, enhancing user experience with an interactive UI and real-time responses.

Disease Prediction System | *Python, Flask, Pandas, Scikit-Learn*

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- Established a machine learning-based disease prediction system using Logistic Regression, enabling symptom-based diagnosis.
- Crafted a Flask web application with real-time user input processing, leveraging data preprocessing and label encoding for accurate predictions.

Predicting Bank Term Deposits Subscriptions | *Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn*

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- Enhanced a Decision Tree-based machine learning model to predict client subscription to term deposits, analyzing key demographic and marketing factors.
- Evaluated model accuracy and feature importance to enhance prediction reliability.

Analyzing Public Sentiment | *Python, Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn*

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- Undertook comprehensive sentiment analysis and visualization to explore public opinion across topics and brands.
- Leveraging python programming and key libraries such as Pandas for data manipulation and Matplotlib and Seaborn for data visulaization

CERTIFICATIONS

Work Smarter with Microsoft Excel <i>Microsoft</i>	December 2024
Supervised Machine Learning: Regression and Classification <i>Stanford Online</i>	March 2024
Google Advanced Data Analytics Program <i>Google</i>	July 2023 - October 2023
The Fundamentals of Digital Marketing <i>Google Digital Garage</i>	July 2023

HOBBIES

- Blogging
- Competitive Programming
- Sketching and Painting
- Storytelling
- Reading
- Traveling