

Vishal Rathod

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Education

- **M.Tech (Dual Degree), Artificial Intelligence and Data Science**
Devi Ahilya University, Indore, India

2022 – 2027

Skills

- **Programming Languages:** C, C++, Python, SQL
- **Tools/Technologies:** Kaggle, GitHub, MS Excel, MongoDB Compass, Power BI
- **Database Management:** MySQL, MongoDB, Cassandra
- **Data Visualization:** Power BI, Matplotlib, Seaborn, Plotly
- **Development Tools:** VS Code, PyCharm, Jupyter Notebook, DataGrip
- **Soft Skills:** Problem-Solving, Communication, Analytical Skills

Projects

- **Movie Recommender System**

Developed a personalized movie recommender system using Streamlit.

- Data Processing: Cleaned data using Pandas.
- Recommendation Engine: Applied Scikit-learn for accurate suggestions.
- User Interface: Developed an interactive interface with Streamlit.
- Technologies Used: Python, Scikit-learn, Streamlit, Pandas, TMDB API.

- **Medical Appointment No-Show Analysis**

The objective of this project was to analyze factors influencing patient attendance in medical appointments, focusing on demographics, medical conditions, SMS reminders, and welfare program participation, to provide actionable insights for reducing no-show rates in healthcare.

- **Bank Loan Analysis**

Analyzed customer behavior and loan trends in Excel.

- Analyzed bank loan data in Excel, focusing on customer behavior and loan trends.
- Provided insights through dashboards to support decision-making.
- Technologies used: Excel, Pivot Tables, Power Query.

Certificates

- Machine Learning with Python
- C++ Complete Training Course for Beginners 2022
- Tata Group - Data Visualization: Empowering Business with Effective Insights Job Simulation
- MongoDB
- PwC Switzerland - Power BI Job Simulation

Extracurricular Activities

- **Coordinator, Techfest IIT-B (Robotics Workshop)**

Managed the speakers and organized logistics for the Robotics workshop at Techfest IIT-B.

- **Volunteer, GDSC**

Actively participated in organizing and managing events as a part of the Google Developer Student Club (GDSC).

- **Hackathon Participant**

Participated in Hackathon HachHive and received an award for most commits on GitHub.