Jahanvi Dave

Aspiring Data Scientist | Python • SQL • Machine Learning

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📍 Preferred Location: Europe, India(Bangalore, Pune, Mumbai, Ahmedabad).

Profile Summery

Results-driven IT graduate with strong foundations in computer science and a deep interest in data science. Skilled in Python, SQL, and machine learning with hands-on experience in real-world projects involving NLP, clustering, and time series forecasting. Committed to continuous learning and contributing data-driven solutions in a professional environment.

Skills

Technical Skills

• Programming: Python, SQL
• ML & AI: Regression, Classification, Clustering, Time Series, NLP
• Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Matplotlib, Seaborn
• Visualization: Tableau, Power BI, Excel
• Tools: Git, Jupyter, Google Colab, Visual Studio Code
• Database: MySQL

Projects

Credit Card Fraud Detection

- Built a binary classification model to detect fraudulent transactions using imbalanced real-world financial data.
- Performed EDA, feature scaling, and handled extreme class imbalance with SMOTE
- Trained and tuned Logistic Regression and Random Forest models
- Achieved over 99% precision and recall on fraud class

 GitHub | 🌐 Live Demo

HR Analytics: Employee Attrition Prediction

- Created a machine learning pipeline to predict employee attrition using IBM HR analytics data.
- Cleaned, encoded, and visualized features using Power BI
- Built and deployed a Random Forest model using Streamlit
- Designed an interactive app for HR to upload employee data and get attrition predictions

 GitHub | 🌐 Live Demo

Movie Recommendation System

- Developed a content-based movie recommender using metadata from TMDB.
- Engineered "tags" using NLP on genres, cast, overview, and keywords
- Applied CountVectorizer and cosine similarity to rank similar titles
- Built a Streamlit app that recommends 5 similar movies based on input

 GitHub | 🌐 Live Demo

Certifications

- AI-Data Scientist: Version 3.0 by NASSCOM ([Credential](#))
- Data Science Methodology by Coursera ([Credential](#))
- Tools for Data Science by Coursera ([Credential](#))

Work Experience

Jr.IOS Developer | Moon Technolabs Aug 2022-Aug 2023

Educational Background

M.Sc.in Information Technology
- Gujarat University | 2021 – 2023

B.Sc. in Computer Application and Information Technology
- Hemchandracharya North Gujarat University | 2018 – 2021

Languages

English: Fluent
Hindi : Fluent
Gujarati : Mother toungue

Cover Letter

Dear Hiring Team,

If a single variable can transform a noisy dataset into a meaningful model, imagine what a motivated candidate with curiosity and coding skills can do for your team.

I am Jahanvi Dave ,an M.Sc. IT graduate who didn't just learn Python and machine learning by watching videos or reading books, but by building. I have detected fraudulent credit card transactions using machine learning on imbalanced datasets, predicted employee attrition, and built a movie recommendation engine using content-based filtering all through hands-on projects with real data, shared transparently on GitHub.

I also spent a year working professionally as an iOS Developer, where I sharpened my programming skills, collaborated with cross-functional teams, and learned what it means to ship real products. That experience helped me build strong habits around clean code, testing, and user-focused thinking all of which I now bring into my data science projects.

I then spent a year in Finland, which gave me a broader global perspective and time to reflect on the kind of career I want to build one grounded in data, impact, and continuous learning. I stayed committed during that time, pursuing certifications, and practicing every day.

My background in Computer Science means I am as comfortable with logic and structure as I am with experimentation and error. I have used tools like Scikit-learn, TensorFlow, and SQL to take raw data and turn it into decision-making power. And I have presented insights using Power BI and Tableau because a model is only as good as its explanation.

But beyond the tools and algorithms, I believe what makes a great data scientist is a combination of two things: empathy for the user and obsession with clarity. Whether I am building a recommendation system or analyzing churn risk, I am always asking: "Will this insight actually help someone take action?"

Any place where ideas scale fast, I am not looking to just work on a model. I want to work on something that matters and I am prepared to learn fast, fail smart, and contribute meaningfully.

Thank you for considering my application. I would love the opportunity to show how I think, what I have built, and how I can grow within your team.

Warm regards,
 Jahanvi Dave