Nithish Patel Varala

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Summary

Dynamic IT Professional skilled in **Python**, **Java**, **SQL**, and **full-stack web development**. Experienced in creating **responsive applications** and performing **data analysis** to improve **system efficiency**. Eager to contribute as a **Full Stack Developer**, **Data Analyst**, or **Software Developer**.

Education

· **Post-Graduation in Information Technology Solutions** (Expected Graduation: Dec 2025)
Humber College, International Graduate School, Toronto, Canada
· **Bachelor of Technology in Electronics and Communications Engineering** (July 2023) JNTUH
University College of Engineering, Sultanpur

Skills

Technical Skills
· **Programming Languages:** Python, Java, C#
· **Data Science & Visualization:** Tableau, Excel, Pandas, Matplotlib, Streamlit, Exploratory Data Analysis
· **Database Management:** SQL, PL/SQL, Oracle Database ·
Web Development: HTML, CSS, XML, JavaScript
· **Methodologies:** Agile Methodology, Statistical Analysis
· **Tools and Technologies:** AWS, Git, Visual Studio, Jupyter Notebook, Linux

Experience

DATA SCIENTIST – (AI VARIANT, Bengaluru (Bangalore), INDIA)
07/2023 to 01/2024 · **Created and deployed a personalized Movie Recommendation System**, scraping and structuring data into a CSV file with **1000+ movies** for robust analysis.
· **Conducted Exploratory Data Analysis (EDA)** to clean data, addressing **missing values in 10+ columns** and visualizing attributes to identify trends in **10+ movie genres**.
· **Implemented a TF-IDF model with cosine similarity**, achieving a recommendation accuracy of **85%** based on user satisfaction tests.
· **Stored processed data using pickle files**, optimizing for efficient retrieval with a **response time under 2 seconds** per query.
· **Deployed with Streamlit**, providing an interactive web interface, generating **user engagement rates of over 75%** with tailored recommendations.
· Enhanced user engagement and retention through relevant and accurate recommendations, supporting a **20% improvement in user interaction** with the platform.

Projects

NSP WEB (MOVIE WEB APPLICATION)
· Designed and launched a responsive web application using HTML, CSS, and Streamlit.
· Created a personalized movie recommendation feature using machine learning, achieving 85% user satisfaction on recommendation relevance.

CANADIAN STOCKS PORTFOLIO MANAGEMENT
· Crafted a JavaScript and XML web app for stock management, elevating user satisfaction by **25%** through real-time data integration from the Yahoo Finance API.
· Introduced portfolio tracking features and alerts on stock performance, leading to a **30%** increase in user retention.

BANKRUPTCY PREVENTION
· Developed a predictive model for bankruptcy risk assessment, achieving 85% accuracy and reducing risk evaluations by **30%.**
· Validated the model, reaching a **95%** confidence level in predictions for improved reliability.

Certifications

· **Data Science Certification**, EXCELR Solutions (12/2023)
· **Complete Python Course, Udemy** (12/2022)