Rajesh Phulwaria

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Professional Summary

- AI/ML-focused Computer Science student with strong foundations in Data Structures, Algorithms, and Object-Oriented Programming.
- Hands-on experience building machine learning and deep learning models using Python, TensorFlow, and data-driven experimentation.
- Passionate about solving real-world problems using Artificial Intelligence, NLP, and predictive modeling.
- Actively seeking AI/ML Internship or Software Engineering Internship opportunities.

Education

- **Bachelor of Computer Application (BCA)** 2024 – 2027 Aishwarya College, Rajasthan Relevant Coursework: Data Structures, DBMS, OOP, Algorithms
- **Higher Secondary Education** 2024 Board of Secondary Education, Rajasthan (RBSE)

Technical Skills

- **Programming:** Python, C++, Java, SQL, JavaScript
- **Machine Learning & AI:** Supervised Learning, Regression, Classification, NLP, Time Series Forecasting
- **Deep Learning:** LSTM, Neural Networks, TensorFlow, Model Evaluation
- **Data Tools:** Pandas, NumPy, Matplotlib, Data Preprocessing, Feature Engineering
- **Core CS:** Data Structures & Algorithms (DSA), OOP, DBMS
- **Tools:** Git, GitHub, VS Code

Projects

- **JARVIS AI Chatbot — Python, NLP** 2025
  - Built an intelligent conversational assistant using Natural Language Processing and machine learning techniques.
  - Integrated APIs for speech recognition and text-to-speech, enabling real-time interaction.
  - Implemented context-aware dialogue management supporting multi-turn conversations.
  - Improved response relevance through iterative testing and model refinement.
- **Stock Price Prediction using LSTM — TensorFlow** 2026
  - Developed a deep learning model using Long Short-Term Memory (LSTM) networks for time-series forecasting.
  - Processed 5+ years of historical financial data with feature scaling and sequence generation.
  - Achieved 87% prediction accuracy through hyperparameter tuning and model optimization.
  - Visualized predictions and performance metrics using Matplotlib.
- **Content-Based Movie Recommendation System — Flask, ML** 2026
  - Built a content-based recommendation engine using the TMDB dataset for personalized movie suggestions.
  - Applied TF-IDF vectorization and cosine similarity to compute movie similarity scores.
  - Preprocessed metadata including genres, keywords, cast, and overview for feature extraction.
  - Deployed the model as a Flask web application with an interactive user interface.

Experience & Certifications

- **Programming in Python Internship – Internsforge** Feb 2026
  - Completed hands-on internship focused on core and advanced Python programming concepts.
  - Built real-world mini projects involving automation, data manipulation, and OOP concepts.
  - Strengthened practical coding ability through structured project-based learning.
  - Certificate ID: INTERNSFORGE-2026-0111
- **Deloitte Australia – Data Analytics Job Simulation** 2025
  - Performed exploratory data analysis and derived business insights from structured datasets.
  - Applied data-driven decision-making frameworks in simulated consulting scenarios.
  - Presented findings in structured professional format.