

Dhruvika Rajpurohit

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[GitHub](#) | [LinkedIn](#) | [LeetCode](#)

Education

Government Mahila Engineering College, Ajmer
B.Tech in Artificial Intelligence and Machine Learning

Aug 2024 – May 2028
CGPA: 8.0/10

Technical Skills

Languages: Python, C++, JavaScript
ML & NLP: Scikit-learn, Sentence Transformers, TF-IDF, Cosine Similarity
Backend: Node.js, Express.js, REST APIs
Databases: PostgreSQL, MongoDB
Core: Data Structures, Algorithms, OOP
Tools: Git, GitHub, VS Code, Jupyter Notebook

Projects

- Resume Screening System (NLP-based Ranking Engine)** Python
- Developed semantic resume-job matching system using SentenceTransformer embeddings.
 - Converted text data into contextual vector representations (all-MiniLM-L6-v2).
 - Applied cosine similarity to compute relevance scores and rank candidates.
 - Structured modular pipeline for reusable and scalable NLP workflows.
- AI Text Summarizer** Python
- Implemented TF-IDF based extractive summarization for long-form text.
 - Applied preprocessing techniques including tokenization and stopword removal.
 - Ranked sentences based on importance to generate concise summaries.
- Student Performance Prediction System** Python
- Built supervised ML model to predict academic performance from structured data.
 - Performed preprocessing, feature selection, and train-test validation.
 - Evaluated model using standard regression/classification metrics.

Hackathons & Achievements

- Smart India Hackathon (Internal Round)** 1st Position
- Led team to design and present solution for real-world problem statement.
 - Contributed to system architecture and core implementation.
- GDG College Hackathon** Rank 4
- Built technical prototype under strict time constraints in collaborative setting.

Certifications & Training

- CS50's Introduction to Python - Harvard University
- CS50's Python with Artificial Intelligence - Harvard University
- AlgoUniversity Technology Fellowship 2025 – Advanced to Stage 2 (Top 8%)
- Google Cloud Skills Boost - Completed 20+ hands-on labs
- Full Stack Web Development Bootcamp – Udemy