

# Dhruvika Rajpurohit

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

## Education

|   |                                     |
|---|-------------------------------------|
| <b>Government Mahila Engineering College, Ajmer</b><br>B.Tech in Artificial Intelligence and Machine Learning | Aug 2024 – May 2028<br>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

|  |        |
|--|--------|
| <b>Resume Screening System (NLP-based Ranking Engine)</b>  | Python |
| <ul style="list-style-type: none"><li>• Developed semantic resume-job matching system using SentenceTransformer embeddings.</li><li>• Converted text data into contextual vector representations (all-MiniLM-L6-v2).</li><li>• Applied cosine similarity to compute relevance scores and rank candidates.</li><li>• Structured modular pipeline for reusable and scalable NLP workflows.</li></ul> |        |
| <b>AI Text Summarizer</b>  | Python |
| <ul style="list-style-type: none"><li>• Implemented TF-IDF based extractive summarization for long-form text.</li><li>• Applied preprocessing techniques including tokenization and stopword removal.</li><li>• Ranked sentences based on importance to generate concise summaries.</li></ul>  |        |
| <b>Student Performance Prediction System</b>   | Python |
| <ul style="list-style-type: none"><li>• Built supervised ML model to predict academic performance from structured data.</li><li>• Performed preprocessing, feature selection, and train-test validation.</li><li>• Evaluated model using standard regression/classification metrics.</li></ul>   |        |

## Hackathons & Achievements

|   |              |
|---|--------------|
| <b>Smart India Hackathon (Internal Round)</b>   | 1st Position |
| <ul style="list-style-type: none"><li>• Led team to design and present solution for real-world problem statement.</li><li>• Contributed to system architecture and core implementation.</li></ul> |              |
| <b>GDG College Hackathon</b>  | Rank 4       |
| <ul style="list-style-type: none"><li>• Built technical prototype under strict time constraints in collaborative setting.</li></ul>   |              |

## 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