

Dhruv Daberao

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EDUCATION

B.Tech in Information Technology, SCTR's PICT, Pune
Last Semester's SGPA: **9.02**

2022 – 2026

EXPERIENCE

Full-Stack ML Intern – Resume Insight (In-House, PICT)

Feb 2025 – Apr 2025

- Developed a resume scoring platform using Node.js, Express.js, MongoDB, and spaCy.
- Increased analysis accuracy by 15% through improved NLP-based keyword extraction.
- Reduced resume parsing time by 10% via optimized spaCy integration and data indexing.
- **Demo:** [resume-insight.vercel.app](#)

PROJECTS

BrandPulse: Cloud-Based Brand Perception Monitor – Flask, GCP, Render, Chart.js

Jul 2025

- Built a cloud-hosted tool for LeapScholar internship assignment to track online reputation and sentiment trends in real-time.
- Created to reduce manual monitoring for the marketing team, improving efficiency.
- Used Flask, Google Sheets APIs, Google Cloud Console, and Chart.js for data management and visualizations.
- **Code:** github.com/dhruvdaberao/BrandPulse

Therapy Cat – Flask, React, scikit-learn, LLM, Random-Forest

May 2025

- Developed a full-stack mental health assistant recommending therapy types using user input and ML.
- Built Flask backend for data processing; trained scikit-learn classifier achieving 85% accuracy.
- Integrated with dynamic React frontend.
- **Code:** github.com/dhruvdaberao/therapy-cat

DopaTrack – Flask, Python, scikit-learn, Matplotlib

Nov 2024

- Built mental health monitoring tool analyzing dopamine-influencing habits; implemented Random Forest SVM models (80% accuracy) for mood classification.
- Visualized weekly dopamine trends and generated personalized habit recommendations.
- **Code:** github.com/dhruvdaberao/dopatrack

AgriGains – HTML, CSS, JavaScript, scikit-learn, ML models

Mar 2024

- Developed an ML-powered web platform for predicting crop yield and suggesting optimal fertilizers.
- Trained ML models (Decision Tree, Random Forest) on agricultural datasets, achieving 82% accuracy.
- Designed frontend UI and integrated Python backend logic.
- **Code:** github.com/dhruvdaberao/agrigains

RESEARCH & PUBLICATION

ResumeInsight: An AI-Driven Framework for Semantic Resume–Job Matching and Skill-Gap Analysis

Accepted at *IEEE GITCON 2025* – Oral Presentation — *IEEE Xplore* (Paper ID: 703)

- Developed an NLP/ML framework using spaCy, regex, and Levenshtein distance for semantic resume-job matching.
- Achieved 89.3% F1-score for skill tagging and 75% accuracy in fit prediction using RF, XGBoost, and ANN.
- **Implementation:** github.com/dhruvdaberao/resume-insight

TECHNICAL SKILLS

Languages: Python, JavaScript, Java, C++, SQL

Web: React, Node.js, Express, Flask, HTML, CSS

ML/NLP: scikit-learn, spaCy, pandas, NumPy, Matplotlib, Seaborn, TensorFlow, PyTorch

Tools: Git, GitHub, Docker, Firebase, Vercel, Render, Postman

Core CS: Data Structures, Algorithms, DBMS, CN, OS, OOP, Software Engineering, System Design