Dhruv Daberao

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EDUCATION

B.Tech in Information Technology, SCTR's PICT, Pune   *2022 – 2026*
CGPA: **7.2/10**

EXPERIENCE

Full-Stack ML Intern – Resume Insight (In-House, PICT)   *Feb 2025 – Apr 2025*
– Designed and optimized scalable data pipelines for resume parsing using Node.js, MongoDB, and spaCy.
– Improved NLP-based keyword extraction and schema design, boosting matching accuracy by 15%.
– Reduced data processing latency by 10% through query optimization and indexing.
– **Demo:** resume-insight.vercel.app

PROJECTS

Tribe Social – MERN (MongoDB, Express, React, Node.js)   *Aug 2025*
– Built a full-stack social platform supporting posts, stories (ephemeral media), direct messaging, and group chats called *Tribes*.
– Implemented secure authentication (JWT), CRUD APIs for posts, likes, comments, media upload handling, and story expiry logic.
– Designed backend endpoints for feed generation, search, and tribe membership; deployed on a cloud provider.
– **Demo:** tribe-social.vercel.app

Therapy Cat – Flask, React, scikit-learn   *Jan 2025*
– Built a mental-health assistant with data ingestion, preprocessing pipeline, and model inference via Flask APIs.
– Trained scikit-learn classifiers and integrated them for real-time recommendations on the React frontend.
– **Code:** github.com/dhruvdaberao/therapy-cat

AgriGains – HTML, JavaScript, scikit-learn, Python backend   *Mar 2024*
– Developed ML-powered web platform for crop-yield prediction and fertilizer suggestions.
– Built data cleaning and modeling pipeline using Decision Tree and Random Forest (82% accuracy).
– Integrated frontend and backend for user data input and model inference.
– **Code:** github.com/dhruvdaberao/agrigains

RESEARCH & PUBLICATION

ResumeInsight: AI-Driven Semantic Resume–Job Matching   *IEEE GITCON 2025*
– Built an NLP/ML framework using spaCy and Levenshtein distance; achieved **89.3% F1-score** for skill tagging and **75%** fit-prediction accuracy.
– **Implementation:** github.com/dhruvdaberao/resume-insight

CO-CURRICULAR ACTIVITIES

Art Circle (PICT) — Member of the Set & Events Section
– Contributed to major inter-college theatre competitions including **Firodiya Karandak** and **Purushottam Karandak**.
– Worked on creative production projects such as **miniature art**, **UV-light shows**, and **set design**.

TECHNICAL SKILLS

Languages: Python, SQL, JavaScript, Java, C++
Data Engineering: ETL Pipelines, Data Cleaning, Schema Design, MongoDB, MySQL, APIs
Web/Backend: Node.js, Express, Flask, React, Docker
ML/NLP: scikit-learn, spaCy, pandas, NumPy, Matplotlib
Tools: Git, GitHub, Firebase, Vercel, Render, Postman, Google Cloud