

CHHAVI JAIN

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EDUCATION

Poornima Institute of Engineering and Technology

B.Tech, Computer Science and Engineering

2023 – 2027 (Expected)

CGPA: 8.68 / 10

TECHNICAL SKILLS

Languages: Python, SQL, C++, C

Data Science & ML: Pandas, NumPy, Scikit-Learn, XGBoost, CatBoost, LightGBM

ML Methods: Feature Engineering, Data Preprocessing, Model Evaluation, Stratified Cross-Validation, Hyperparameter Tuning

Deployment & Tools: Streamlit, FastAPI, Git, GitHub, Vercel, Jupyter, Google Colab

PROJECTS

SakhiSign — AI Sign-Language Evaluation Platform | React, Vite, Node.js, Express, MongoDB, FastAPI

[Code](#) | [Demo](#)

- Architected and deployed a **3-tier** application integrating a React/Vite frontend, Node.js/Express backend with MongoDB and JWT authentication, and a FastAPI inference service.
- Implemented real-time sign evaluation using **MediaPipe Hands** and **Dynamic Time Warping**, converting 21 hand landmarks per frame into an **18-D feature vector** for gesture comparison.
- Designed a **zero-training-data** evaluation engine using one reference recording per sign, with mirror-invariant scoring and targeted feedback.

Intelligent Tourist Guide

SIH 2025 — 1st Prize

- Built a personalised travel planner that generates multi-day itineraries based on destination, duration, and traveller preferences, with popular-place recommendations.
- Integrated **live disaster alerts** and an **SOS feature** to help travellers respond to floods and emergencies across Northeast India.
- Won **1st prize** against **50+** teams in the internal round of **Smart India Hackathon 2025**.

Lead Scoring System | Python, Scikit-Learn, CatBoost, LightGBM, Streamlit

Celebal Internship | [Code](#)

- Built an end-to-end application for scoring **9,000+** sales leads by conversion probability, including preprocessing, model inference, batch scoring, and a Streamlit interface.
- Developed a reusable, leakage-free Scikit-Learn pipeline and automated batch-scoring workflow, reducing manual processing and ensuring consistent inference.
- Benchmarked **7** classifiers and tuned the final model to 0.893 ROC-AUC; deployed the application with an interactive threshold-based prediction interface.

Parkinson's Voice Classifier | Python, XGBoost, Scikit-Learn, Streamlit

Provis Internship | [Code](#)

- Developed a Streamlit decision-support dashboard for Parkinson's screening using an XGBoost classifier and **22** voice-derived acoustic features.
- Implemented batch CSV scoring, adjustable decision thresholds, feature-importance visualisation, and exportable predictions.

PROFESSIONAL EXPERIENCE

Data Science Intern (Celebal Excellence Intern)

May 2026 – July 2026

Celebal Technologies Pvt. Ltd.

Jaipur, India

- Selected through competitive intake for the **Celebal Excellence Internship**; completed **5+** technical assignments covering data cleaning, exploratory data analysis, feature engineering, and supervised learning using Pandas, NumPy, and Scikit-Learn.
- Applied cross-validation, model comparison, and hyperparameter tuning to develop the Lead Scoring System, achieving 0.893 ROC-AUC and **91.8% recall** on held-out data.

Data Science Intern

Jun 2025 – Jul 2025

Provis Technologies Pvt. Ltd.

Jaipur, India

- Built the **Parkinson's Voice Classifier** as the internship deliverable, from feature analysis through to a deployed Streamlit decision-support dashboard.
- Cleaned and feature-extracted **10,000+ record** datasets with Pandas/NumPy, and automated **5+** recurring cleaning routines that removed **~20%** of manual data-entry errors.

Front-End Development Intern

Jul 2024

AeroPhantom

Jaipur, India

- Optimised data-heavy analytics dashboards, cutting initial load time by **10%** through asset minification and render-path clean-up.

ACHIEVEMENTS & CERTIFICATIONS

ACM India Summer School 2026: Selected for ACM India's summer school on **Systems for Machine Learning** at VIT Vellore.

LUSIP 2026 — LNMIIT: Completed the 8-week Undergraduate Summer Internship Program at LNMIIT, working on Lightweight Models Development for Low-Power AI Applications.

Captain, Udaan Aeromodelling Club: Led technical workshops for **100+** students and managed **20+** college events; 1st Prize, Aadhar Tech Fest (hovercraft design, **15+** teams).

NPTEL Certifications: Database Management Systems, Programming in C, Entrepreneurship.