# Parth Bramhecha

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Ⓜ Medium  |  🌐 Portfolio

## Education

**PICT**, BE in Information Technology with Honors in AI/ML                                      Nov 2022 – May 2026
- GPA: 8.95/10
- **Coursework:** DSA, DBMS, DAA, OS, OOP, ML, DSBDA, CNS

## Experience

**Data Science Intern**, GDB learning Solutions                                                    Completed Feb 2025
- Develop data pipelines for data scraping, validation, and conversion to favored formats from various sources, introducing automation and improving the quality of data collection.

**Research Intern**, IIT Kharagpur                                                                              Ongoing
- Designed and implemented a guided Bash installer for CHAVIDS medical software, having a distributed architecture. My contributions include automating cross-platform setup and dependency management.

## Publications

Comparative study on credit card fraud detection                                                             Jan 2025

I share insights on ML, AI, and development in blogs on Medium.                                          Read here

## Projects

**Yield Vision**                                                           ▶ YouTube    ○ GitHub
- An ML model is employed to address the issue of cloud cover in remote sensing data. The web-based solution streams various data on the dashboard, accompanied by AI-driven analysis.
- Tools Used: CNN, regression, Fast API, Generative AI, MERN stack

**Prep Genius**                                                                              ○ GitHub
- Placement preparation platform with an AI-driven interview bot processing video, audio, and text-based input and scoring on confidence.
- Tools Used: Hugging Face, Generative AI, Fast API, MERN Stack

**Movie Recommendation System**                                                              ○ GitHub
- Built a smart movie recommender using cosine similarity on tags and dynamic data from the TMDb API.
- Tools Used: Flask, Cosine Similarity, TMDb API

## Technologies

**Languages:** C, C++, SQL, Python

**Technologies:** MySQL, Streamlit, Django, Flask, Python-Numpy, Pandas, Scikit Learn, Matplotlib, MediaPipe

## Recent Achievements

**BMC Hackathon:** Runner-up
Leveraged GenAI to generate and ML to validate new reconciliation rules on masked real-world data.

**BhartiYugam:** Runner-up
"Prep Genius" earned the runner-up spot in a competitive innovation challenge.