

# Akash Parida

IT Engineer

Python-savvy, proactive undergraduate with hands-on AI/ML experience; always on my toes for impactful challenges and continuous learning



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github.com/Zad-100

## SKILLS

Python ML/DL

Django C++

OpenAI API

Git/GitHub

Adaptability Learner

Communication

Teamwork Patience

## LANGUAGES

English  
Full Professional Proficiency

Hindi  
Native or Bilingual Proficiency

Odia  
Native or Bilingual Proficiency

## INTERESTS

Running

Poetry & Creative Writing

Reading Music/Songs

Working-out & Fitness

Meditation

## EDUCATION

### BTech in Information Technology

International Institute of Information Technology (IIIT), Bhubaneswar

12/2020 - Present

8.02 CGPA till 6th Semester

### Intermediate in Science (10+2)

Delhi Public School (DPS), Bokaro

03/2018 - 03/2020

94.2% in Boards, Bokaro Steel City

## PERSONAL PROJECTS

### Medibot (Bajaj HackRx 4.0, 2023) (07/2023) [↗](#)

- Formulated **MediBot** - answers medical queries based on **credible sources** such as CDC, NHS, WebMD, etc. along with **citations** of the source the answer was based on with **87% accuracy**
- Leveraged **vector database** (ChromaDB) to **store about 300 articles** and used meta-data filtering to fetch results
- Collaborated over **Figma** to design the UI of the web app, in 3 design iterations

### Passcode Hunt Game (08/2023) [↗](#)

- Engineered personalised **Django** based web-app (**optimised for mobile experience**) with PostgreSQL, featuring **3 unique puzzles**, including slider puzzle, crossword; solving each gets user a digit of the passcode to unlock gift box
- Designed and implemented 5 distinct **interactive web pages**, including **login page**
- Oversaw **end-to-end development** from initial specs and design to **deployment on Azure**; fully functional as expected

### Drowsiness Detection System (08/2023) [↗](#)

- Developed **Convolutional Neural Network (CNN)** model, achieving a test **accuracy of 96.11%**
- Implemented data preprocessing techniques on dataset of **over 8,000 images** to improve model performance
- Also, orchestrated real-time system using OpenCV, DLib, using **EAR** to detect drowsiness achieving test 97% accuracy

## WORK EXPERIENCE

### Machine Learning Intern

Datence Technologies [↗](#)

09/2023 - Present

Remote

Datence Tech provides AI-driven data compliance. "PAC MAN" offers privacy insights; "PolyWiz" crafts app policies fast.

Achievements/Tasks

- Assigned to **PAC Man project** - bolstered experimentation with **2 LLM models**: mpt-7b and llama-2-7b-chat, fine-tuned them using **peft** and wrapped **LangChain** to make inference based on private database
- Gathered and build dataset for 2-class-sequence-classification (privacy related or not) by **fine-tuning RoBERTa** using PyTorch and Transformers
- Architected robust backend in **Django**, well-structured, modular, and well-documented; managing **more than 2 apps** for different functions of same project
- Integrated seamlessly with **Azure Dev-Ops team** to deploy the backend server with **2 worker instances**
- Refined** and crafted **prompts**, enhancing response **quality and accuracy by 75%**

### AI/ML Intern

Flamon CloudTech Pvt. Ltd. [↗](#)

06/2023 - 07/2023

Remote

Telecalling app that has amazing sales automation features such as autodialler, smart follow-ups, call recording, etc.

Achievements/Tasks

- Prompt-engineered** gift recommendation chatbot leveraging **GPT-3.5-Turbo**, tested with over 25 interactions
- Assisted Full Stack team of 3 in **integrating chatbot engine with backend** using **Django**

## ACHIEVEMENTS

Bajaj HackRx 4.0 Grand Finalist (07/2023)