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## Skills

- Python, Java, and C++ programming
- TensorFlow and PyTorch
- Natural language processing
- Deep learning techniques
- Computer vision applications
- Flask and FastAPI
- Database management systems
- MySQL, MongoDB, and PostgreSQL
- Machine learning workflow (MLflow)
- Cloud services (AWS)
- Version control (Git and DVC)
- Containerization (Docker)
- Large language models (LLMs)
- Data structures and algorithms

## Education And Training

*Expected in 01/2026*

**B.Tech:**

Computer Science & Engineering

**VIT Bhopal University**

Madhya Pradesh

GPA: CGPA: 8.8

*01/2022*

**Senior Secondary (XII):**

CBSE

**Delhi Public School, Faridabad**

Faridabad

GPA: 91.20%

*01/2020*

**Secondary (X):**

CBSE

**Delhi Public School, Faridabad**

Faridabad

GPA: 95.60%

## Websites, Portfolios, Profiles

# Disha Chakraborty

## Summary

An aspiring software developer with a solid background in **AI, machine learning, and full-stack development**. Passionate about creating **intelligent, scalable, and user-focused applications** that fit smoothly into real-world scenarios. Recognized for my **problem-solving mindset, adaptability, and eagerness to learn**, with a proven track record of delivering **meaningful solutions in team-based, fast-moving environments**.

## Projects

### College Hackathon - Devmate: An AI Developer Assistant

*04/2025 - 04/2025*

- Built an **AI-powered developer assistant** within 12 hours, incorporating modules for **code optimization, dataset generation, and dataset balancing**.
- Led the development of a dataset generator capable of producing realistic **images, text, tabular data, and time-series data** for testing machine learning models.
- Integrated the AI assistant with the frontend to deliver a live, interactive demo at the hackathon, demonstrating swift development and team collaboration.

### Engineering Project In Community Services - Femcare: Your Menstrual Health Partner

*01/2025 - 04/2025*

- Developed a comprehensive menstrual health platform featuring an **AI chatbot, ML-powered period tracker, and personalized meal planner**, which greatly enhanced prediction accuracy and boosted user engagement.
- Designed the chatbot with an integrated **fallback LLM** to manage sensitive inquiries, resulting in approximately a 20% reduction in flagged responses, and introduced a **child-friendly mode** to promote inclusivity.
- Contributed to both **frontend development (React)** and the ML tracking component (**TensorFlow**), adding features that improved overall user experience and platform usability.

### Research Paper - Gait Abnormality Prediction

*01/2024 - 04/2024*

- Created a custom dataset by sourcing data from GAITREC and combining multiple datasets, while extracting key biomechanical features.
- Developed and trained models using **KNN, SVM, and CNN**, achieving an impressive **97.6% accuracy**, surpassing initial baseline results.
- Focused on identifying indicators for **neurological and musculoskeletal disorders**, which enhances the clinical relevance of the model.

- [www.linkedin.com/in/dishachakraborty0805](https://www.linkedin.com/in/dishachakraborty0805)
- <https://github.com/Cdishash>

## Certifications

**AWS Certified Cloud Practitioner**  
(July 2025)  
**IBM GenAI** (Jan 2025 - Apr 2025)  
**IBM Introduction to Cybersecurity** (Jan 2025 - Apr 2025)  
**Applied machine learning in Python – Coursera** (Nov 2023 - Dec 2023)  
**Python: Zero to Hero – Udemy** (Jun 2023, Jul 2023)  
**The Complete Full-Stack Web Development Bootcamp, Udemy** (Jul 2023 - Oct 2023)

## Languages

**Hindi:** First Language

**English:** C2  
Proficient (C2)

**Bengali:** B1  
Intermediate (B1)

**French:** A2  
Elementary (A2)

## Computer Vision And Deep Learning - AI Bird Lens

08/2023 - 10/2023

- Built a **CNN-based model** with an accuracy of **93%** for real-time recognition of bird species.
- Deployed the model via a Flask API, and enriched it with data from the Wikipedia API to offer instant information about species.
- Designed the system to be lightweight and scalable, making it accessible and user-friendly across various platforms.

## Activities And Honors

- **Core team member** of multiple technical and non-technical clubs, I contributed to **college fest planning** through **graphic design, stage management, and technical backend tasks**
- **Music performances and voiceovers** – competed in the studio rounds of Indian Idol and SaReGaMaPa, provided narration, and podcast voiceovers, gaining experience in professional vocal production
- **Stage performer and content creator (YouTube)** – produced, edited, and performed musical covers, mashups, and underrated interpretations
- **Creative production** – proficient in music production (Ableton Live, FL Studio) and video editing (Adobe Premiere Pro); designed event posters and promotional videos using Canva, Photoshop, and Illustrator

## Accomplishments

- **Hackathon finalist** – reached the finals of a college hackathon among 100+ teams, showcasing AI and full-stack development skills
- **Amazon HackOn'25** – secured a spot in the top 50 teams, demonstrating innovation and teamwork in solving real-world tech challenges
- **Walmart Code Hers 2024** – qualified round 1 of this national-level coding competition for women, demonstrating strong DSA, and problem-solving abilities
- **Google India Girl Hackathon 2023** – selected participant in a three-day national event featuring workshops, seminars, and coding competitions
- **Leadership recognition** – earned a leadership position as **operations lead for the Music and Band Club at VIT Bhopal**, trusted with event and community engagement responsibilities