

Suhani Thakur

Phone: +91 9373402771 | Email: suhaniajay2407@gmail.com

LinkedIn Id: [Suhani Thakur](#) | GitHub- [Suhani2407](#)

Education

VIT Bhopal University, Bhopal, Madhya Pradesh

B.Tech

Expected May 2026

Major in Computer Science and Engineering (Specialization in Artificial Intelligence and Machine learning)

Cumulative **GPA: 9.15/10**

12th Standard

Jul 2022

Bhavans BP Vidya Mandir, Civil Lines, Nagpur, Maharashtra

CBSE **Percentage: 93.2%**

10th Standard

Jul 2020

St. Vincent Pallotti School, Nagpur, Maharashtra

CBSE **Percentage: 97.5%**

Projects

Speed Operation Services (SOS)

Aug 2024- Apr 2025

- Built an AI-based emergency response system to detect fire and medical emergencies using **YOLOv8** and **CNN** models.
- Annotated **3,500+ images** in **Roboflow** across 4 severity classes: High, Medium, Low, and Fake; trained MobileNet classifier achieving **91% accuracy**.
- Managed dataset creation, model training, and evaluation; final model reported **precision, recall and F1-score of 0.91**.
- Technology: Python, MobileNet, Roboflow, CNN, YOLOv8, Deep Learning**

Yoga Pose Detection and Correction

Nov 2024- Dec 2024

- Developed a deep learning model to recognize and correct 10 yoga poses using **MediaPipe** and **MLP classifiers**.
- Extracted **33 key points** per pose and compiled structured data into CSVs for MLP training on **5,000+** labeled images, achieving **92% classification accuracy**.
- Built a **pose correction system**, enhancing alignment accuracy by **25%** using ideal pose comparisons.

ZenZone Bot

Mar 2024- Apr 2024

- Led development of a mental health chatbot for Indian adolescents, addressing **anxiety, depression, PTSD, ADHD, and eating disorders**.
- Utilized **NLP models (keyword recognition, sentiment analysis, intent recognition)** with **85% accuracy** in symptom identification.
- Integrated government APIs to streamline access to mental health resources, reducing response time by **30%**.
- Technology: Python, Machine Learning, Natural Language Processing, Flask, Government APIs**

Technology: Python, Deep Learning, MediaPipe, OpenCV, MLP Classifier

Extracurriculars and Internships

Data Science Intern- Sabudh Foundation

Jan 2025- present

- Selected among **200 students** across India for a prestigious internship in the Data Science Division
- Engaged in hands-on modules in **Python, NLP, ML, DL, Dataiku, and DSA** strengthening technical foundations.

Virtual Internship Program

Apr 2024- Jun 2024

- Completed a business analytics internship powered by **Qlik Sense**. and developed a comprehensive Airline Data Analysis project.
- Analyzed **10,000+ flight** records to extract insights on delays, cancellations, and customer satisfaction.
- Designed **5 interactive dashboards**, enhancing decision-making efficiency by **20%**

Co-curricular Activities

Coding

- Leetcode:** Rank: **4,14,345** , 146 medium question and **112 easy** questions, **GeeksforGeeks:** 213 problems.

Certifications & Training:

- IBM Data Analysis with Python-**Coursera** **Dec 2023-Jan 2024**
- Applied Machine Learning in Python -**Coursera** **Dec 2023**
- Linear Algebra for Machine Learning and Data Science-**Coursera** **Oct 2023-Nov 2023**

Languages: Fluent in Hindi, English; Conversational Proficiency in Marathi

Technical skills: Python, Java, Machine learning, Data analysis, Natural Language Processing, Qlik Sense, SQL, Git, TensorFlow, Roboflow, Dataiku

