

# Snigdha Singh

B.TECH IN CSE WITH AI&ML | +918966900424 | [Linkedin](#) | [mitsnigdha57@gmail.com](mailto:mitsnigdha57@gmail.com) | [Github](#) | [Portfolio & Blog](#)

## EDUCATION

### Vellore Institute of Technology

Bachelor's Degree in Computer Science Engineering. GPA: 8.38

Bhopal, Madhya Pradesh

09/2022 – Present

### Krishna Public School

Central Board of Secondary Education HSC. Percentage: 88.6%

Raipur, Chhattisgarh

06/2020 – 07/2021

### Delhi Public School

Central Board of Secondary Education SSC. Percentage: 87.9%

Raipur, Chhattisgarh

06/2018 – 05/2019

## SKILLS

- **Technical Skills:** Python, ML/DL, NLP, LLMs, CV, Flask, REST APIs, SQL, Linux.
- **Tools & Frameworks:** TensorFlow, PyTorch, Scikit-learn, LangChain, FAISS, Pandas, NumPy.

## INTERNSHIP

### DataLytics

Raipur, Chhattisgarh

AI/ML Intern

07/2024 – 01/2025

- Developed and deployed AI/ML models for real-time applications, enhancing data-driven solutions.
- Engineered feature transformations, improving model efficiency by 15%.
- Conducted rigorous testing and validation to ensure high reliability and scalability.
- Collaborated with senior engineers to integrate AI models into production environments.

## PROJECTS

### Retrieval-Augmented AI Chatbot (VJV School) | Sole Developer

12/2024 - 01/2025

- Built an AI chatbot leveraging LLMs to answer school queries with 90% accuracy.
- Designed a structured fee extraction module, reducing manual effort by 50%.
- Integrated REST APIs for real-time data retrieval, enhancing response accuracy.
- **Technologies:** Python, Flask, NLP, OpenAI API, BeautifulSoup, Torch, REST API.

### AI-powered Accounting Data Parser | Sole Developer

09/2024 - 10/2024

- Created a Flask-based API to extract structured accounting data from natural language inputs.
- Achieved 95% extraction accuracy, improving workflow efficiency by 40%.
- Automated discount calculations, currency handling, and transaction categorization.
- **Technologies:** Python, Flask, NLP, REST API, JSON.

### Virtual Health Assistant | Sole Developer

07/2024 - 08/2024

- Developed an NLP-powered medical query assistant, improving response relevance by 35%.
- Integrated Google Custom Search API for real-time information retrieval.
- Features: Medical relevance detection, query similarity search, summarization, negation handling.
- **Technologies:** Python, Flask, NLP, LLM, RESTful API, Google Custom Search API.

### Deepfake Detection | AI Researcher and Developer

03/2024 - 04/2024

- Designed a deep learning model detecting manipulated multimedia with 92% accuracy.
- Applied forensic analysis and neural networks to enhance detection reliability.
- **Technologies:** Python, TensorFlow, PyTorch, OpenCV.

### Smart Attendance | Researcher and Developer

08/2023 - 09/2023

- Developed an automated facial recognition-based attendance system, reducing manual effort by 80%.
- Implemented real-time image capture for precise attendance tracking.
- **Technologies:** Python, Java, MATLAB/Octave.

## CERTIFICATIONS

- **Natural Language Processing with Classification and Vector Spaces (DeepLearning.AI)** 07/2025
- **WorldQuant Challenge – Silver Level (Selected for Stage 2 of the IQC 2025)** 05/2025
- **Computer Vision (Vityarthi)** 12/2024
- **Applied Machine Learning in Python (University Of Michigan - Coursera)** 12/2023
- **Privacy and Security in Online Social Media (NPTEL)** 04/2024