Snigdha Singh

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

EDUCATION

Vellore Institute of Technology	**Bhopal, Madhya Pradesh**
Bachelor's Degree in Computer Science Engineering. GPA: 8.33	09/2022 – Present
Krishna Public School	**Raipur, Chhattisgarh**
Central Board of Secondary Education HSC. Percentage: 88.9%	06/2020 –07/2021
Delhi Public School	**Raipur, Chhattisgarh**
Central Board of Secondary Education SSC. Percentage: 87.9%	06/2018 – 05/2019

SKILLS

- **Technical Skills:** Python, Java, C++, 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