

Snigdha Singh

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

Aspiring AI/ML Engineer with hands-on experience in **NLP, LLMs, DL, and API Development**. Passionate about building scalable AI solutions, optimizing ML models, and delivering **data-driven applications** with measurable impact. Adept at integrating AI models into production environments and improving performance efficiency.

EDUCATION

Vellore Institute of Technology <i>Bachelor's Degree in Computer Science Engineering. GPA: 8.27</i>	Bhopal, Madhya Pradesh 09/2022 – Present
Krishna Public School <i>Central Board of Secondary Education HSC. Percentage: 88.9%</i>	Raipur, Chhattisgarh 06/2020 – 07/2021
Delhi Public School <i>Central Board of Secondary Education SSC. Percentage: 87.9%</i>	Raipur, Chhattisgarh 06/2018 – 05/2019

WORK EXPERIENCE

DataLytics <i>AI/ML Intern</i>	Raipur, Chhattisgarh 07/2024 – 01/2025
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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
<ul style="list-style-type: none">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.	

CERTIFICATIONS

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

TECHNICAL SKILLS

- Programming Languages: Python, Java, C++
- Frameworks & Libraries: TensorFlow, PyTorch, Scikit learn, OpenCV
- Data Analysis Tools: Pandas, NumPy, Matplotlib
- Machine Learning & AI: DL, Model Optimization & training, Data preprocessing, NLP, CV
- Web Development: Flask, HTML/CSS, JavaScript
- Other tools: SQL, RESTful API Development, LangChain, Vector Databases (FAISS), LLMs, Flask, NLP, Speech-to-Text Systems, Linux (CLI, file systems, permissions, package management)