

ANGAJALA SUMANA SREE

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
IDD	Civil Engineering IIT (BHU), Varanasi	7.62	2026
BIEAP (XII)	Narayana Junior College	93.40	2021
CBSE (X)	Jawahar Navodaya Vidyalaya, Lepakshi(A.P)	92.60	2019

SKILLS

Languages: Python, HTML, CSS

Technologies: OpenCV, LangChain, Streamlit, Power BI, Version Control (Git), Github, Jupyter Notebook

Libraries: Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn

Areas of Interest: Machine Learning, Deep Learning, Natural Language Processing

[Github Profile Link](#) || [LinkedIn Profile Link](#) || [Portfolio Website](#)

PROJECTS

AI Chatbot Development Using LangChain and Ollama

- Built an AI chatbot using LangChain and Ollama's LLM to deliver real-time, context-aware conversational responses.
- Developed an interactive front-end with **Streamlit**, ensuring a seamless and engaging user experience.
- Resolved technical challenges in API integration, input validation, and backend functionality for the better performance. [link to the project](#)

Real-Time Vehicle Detection using OpenCV and YOLOv5

- Designed and implemented a high-performance vehicle detection system leveraging the YOLOv5 deep learning model, pre-trained on a dataset of **2,704** traffic scenario images.
- Achieved **98%** detection accuracy by integrating OpenCV for real-time image preprocessing and vehicle recognition.
- Enhanced training efficiency and detection precision through **transfer learning**, optimizing the model for traffic environments. [link to the project](#)

Open Source Contributor – Hacktoberfest (2024)

October

Contributed to Flyte and Wagtail

- Actively contributed to open-source projects as part of Hacktoberfest, enhancing repository functionalities and improving codebases.
- Collaborated with experienced maintainers and a **global open-source community** of developers to resolve advanced machine learning challenges and implement innovative features.
- Successfully completed Hacktoberfest by submitting 4+ pull requests, earning badges for meaningful contributions to the open-source community. You can view my achievements and badges [here](#)

POSITION OF RESPONSIBILITY

Public Relations Head || Shilp'24 || IIT BHU

Led a team tasked with organizing guest lectures, facilitating skill development workshops, and cultivating strong relationships with esteemed chief guests.

Operation Executive || FMC Weekend' 23 || IIT BHU

Responsible for overseeing event coordination, logistics management, and team management to ensure seamless execution of the fest

HONOURS AND ACHIEVEMENTS

- Received an 'A' Certificate as a Junior Wing cadet (**NCC**) upon successful completion of a two year training course under the Authority of Ministry of Defence, govt of India
- Represented IIT (BHU) at the **Inter IIT Civil Conclave'22** in case study competition hosted by IIT (Roorkee)
- Qualified for the **GATE (CE) 2024** examination conducted by IISC Bangalore

EXTRA-CURRICULAR ACTIVITIES

- Secured 3rd position in Spardha'22, an Inter-college sports fest, competing in **Squash**
- Secured first prize in a **Group Singing** Competition in Aagman'21 organized by the Cultural Council of IIT BHU

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