

ANGAJALA SUMANA SREE

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
IDD (Transportation Engineering)	Civil Engineering IIT (BHU), Varanasi	7.84	2026
BIEAP (XII)	Narayana Junior College	93.40	2021
CBSE (X)	Jawahar Navodaya Vidyalaya, Lepakshi(A.P)	92.60	2019

SKILLS

Areas of Interest: Data Science, Machine Learning, Business Consulting, Data Analytics

Languages/Technologies: Python, SQL, HTML, CSS, Google Colab, Tableau, Power BI, Open CV, Git, Github, QGIS

Libraries: Pandas, Numpy, Matplotlib, Seaborn **Links:** [Github](#) | [LinkedIn](#) | [Portfolio Website](#)

INTERNSHIP/TRAINING

LFX Mentee — Linux Foundation Decentralized Trust

- Earned selection as LFX mentee from **500+ global applicants** to work on Hyperledger Labs' conversational AI project that helps users discover knowledge from documents, with **1+ year** of active community contributions
- Implemented **Snowflake integration for AIFAQ** chatbot, developed secure connection APIs and automated data ingestion pipelines using Snowpipe for real-time data synchronization
- **Built an intelligent document retrieval system** powered by **Snowflake Cortex AI** that processes diverse data formats, significantly improving how users find accurate answers [Project Page](#)

Python Developer Intern — Neuroinformatics Unit (NIU), Sainsbury Wellcome Centre, London

- Architected and enhanced **Terminal User Interface** of **DataShuttle (Open Source project)** using **Python** and **Textual framework**, implementing advanced cross-platform features including dropdown navigation, regex-based tagging system, and dynamic pop-up alerts, serving **500+** researchers across neuroscience labs
- **Engineered standalone executables** for Windows/macOS/Linux using PyInstaller, **reducing setup time by 40%** eliminating dependency management overhead for end-users and Conda dependencies
- **Evaluated packaging solutions** (PyInstaller, Nuitka, Briefcase), and integrated automated builds and tests via **GitHub CI/CD** for continuous deployment. [Reference letter](#)

PROJECTS

Credit Card Fraud Detection

- Utilized **Numpy** and **Pandas** for comprehensive data understanding and preprocessing for model training
- Addressed **class imbalance** through **undersampling** to enhance the model's sensitivity to fraudulent transactions
- Applied **Logistic Regression** to predict fraudulent transactions, achieving an accuracy score of **94%**

Spatio-Temporal Analysis and Prediction of Crime Hotspots in Hyderabad

- Processed **5 years** (2020–2024) of Hyderabad crime & road data into **40+** GIS shapefiles and 1 km grids.
- Connected **10,000+ incidents** to **42 police** and **23 metro stations** for hotspot detection and prediction.
- Mapped persistent hotspots using **Kernel Density Estimation (KDE)** and **Ripley's K**, revealing central-city clusters.
- Correlated hourly crime records with ridership data to forecast risks and guide safer city planning.

POSITION OF RESPONSIBILITY

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

Oversaw operational execution for **50+ events** attracting **5k participants** at Asia's largest digital arts festival

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

Managed **20 team members** coordinating **15+ events** with nationwide outreach at flagship CE fest

HONOURS AND ACHIEVEMENTS

- Earned **Machine Learning Specialization** from **Stanford University** through **3-courses** taught by industry experts
- Completed **Hacktoberfest**, clearing all **4 levels** with **4+** merged PRs in open-source projects, earning **5 badges**
- Awarded **NCC 'A' Certificate** from **Ministry of Defence**, India through **2 year** Junior Wing Cadet **military training**
- Qualified **GATE (CE) 2024**, ranking among **top 8.2%** of **6.5+ lakh** candidates applied nationwide
- Secured **3rd place** in **Squash** competition at Spardha'22, IIT BHU's annual **Inter-college games & sports fest**

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