SNEHANSH NIGAM

www.linkedin.com/in/snehanshnigam | P: +91 7021300629 |nigam.snehansh@gmail.com

Education

VIT Bhopal University, Bhopal	**2022 – 2026**
B.Tech in Computer Science & Engineering , CGPA : 9.11	
Ryan International School, CBSE	**2021 - 2022**
Intermediate XII (secondary)	
Podar International School, CBSE	**2019 - 2020**
HighSchool X (secondary)	

Technical Skills

Programming Languages: C++, Python,

Tech Stack: Machine Learning, Jupyter Notebook, Numpy, Pandas, Scikit-Learn, Pytorch, LangChain, LangGraph, GitHub, Artificial Intelligence, Deep Learning, Natural Language Processing(NLP), Seaborn, Matplotlib, MySQL , PL/SQL

Work Experience

Sahana System Limited | AI - Intern   May 25 – Aug 25

- Processed and cleaned over 10,000+ data entries across 3+ projects, improving model readiness and reducing preprocessing time by 20%
- Conducted EDA on large datasets (~100k records), revealing 5 key trends that improved model accuracy by 15%Integrated machine learning models into applications using APIs
- Developed and fine-tuned 4 AI models for classification/prediction, achieving up to 92% accuracy and reducing false positives by 18%
- Integrated ML models into 2 production-level APIs, reducing manual task time by 30% and enhancing response time by 25%

Projects

Fake News Detection | NLTK, LSTM, TF-IDF, Python   February 24 – April 24

- Lead a team of 5 in the development of a web application for identifying the authenticity of news articles
- Scraped and preprocessed over 50,000 news articles using Python (BeautifulSoup, Scrapy, Pandas, NumPy) to create a balanced dataset for training
- Built and evaluated ML models (TensorFlow, PyTorch, Scikit-learn), boosting detection precision from 70% to 90%
- Developed and tested machine learning models using Python and PyTorch, ensuring robust data handling, analysing text to combat misinformation

Smart Spend | React, Node.js, PostgreSQL, Machine Learning   August 23 – November 23

- Lead a team of 4 in developing an application for tracking & managing personal finances. Aiming to create an engaging & personalized experience
- Designed and deployed 10+ backend services using Python-Django and SQL, enabling seamless data processing and reducing system downtime by 35%
- Integrated Node.js and MongoDB to support concurrent user operations, increasing scalability and reducing API response latency by 40%

Shoplifting Detection | Open-CV, AI   May 25 – Aug 25

- Led the end-to-end development of a shoplifting detection system using YOLOv8 pose estimation and XGBoost classification, enhancing retail security through real-time behavior monitoring
- Engineered a multi-script pipeline (7+ modules) integrating OpenCV, CVZone, and XGBoost for live tracking, item pickup detection, and shoplifting alerts with >90% precision
- Designed a custom rack zone marking logic and object tracking mechanism across frames, improving event localization and reducing false positives by 30%
- Trained and deployed a behavior classification model using XGBoost on curated pose datasets, achieving high recall on suspicious activity detection

Achievements

- Selected as the only team for Solve-A-Thon from VIT Bhopal for the prestigious inter college hackathon and competing against around 50 teams across all campuses of VIT. Showcased our skills, creativity, and technical abilities
- Earned several certifications across different areas of technology and professional development