Vineet Goyal

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EDUCATION

Maharaja Agrasen Institute of Technology   Rohini, Delhi
Bachelor of Technology - Artificial Intelligence and Data Science (CGPA-9.4)   *2022-2026*

Sky Hawk International School   Delhi
Class 12 – Intermediate (81%)   *2021-2022*

EXPERIENCE

YBI Foundation   Nov 2023 – Dec 2023
Data Science and Machine Learning Intern   *Online*
- Built and optimized ML models using Pandas, NumPy, and Scikit-learn, improving preprocessing efficiency by 30% and achieving model accuracy above 85%. (Certificate of Completion)

Research Internship   May 2024 - August 2024
LNM Institute of Information Technology, Jaipur   *Hybrid*
- Conducted research on audio deepfake detection, analyzing the impact of frequency bins using signal processing and deep learning techniques to enhance detection precision and model robustness. (Certificate of Completion)

PROJECTS

Movie Recommendation Model | *Python, Scikit-learn, Jupyter, Git, GitHub*
- Engineered a movie recommender system using collaborative filtering and machine learning (scikit-learn), achieving 95% accuracy in predicting user preferences. GitHub: Movie Recommendation System

Credit Default Prediction Model | *Python, Scikit-learn, Jupyter, Git, GitHub*
- Led a Python-based customer segmentation project, leveraging data analysis and machine learning to yield strategic insights with a 98% accuracy. GitHub: Credit Default Model

RAG-Powered Document Question Answering System | *FastAPI, Hugging Face, FAISS, Docker, Streamlit, Postman*
- Designed and containerized RESTful microservices using FastAPI and Docker; implemented a full-stack pipeline with Streamlit UI, metadata storage, and Postman-tested endpoints for seamless document–query interaction.
- Architected a scalable Retrieval-Augmented Generation (RAG) system integrating FLAN-T5 via Hugging Face, Sentence Transformers for embeddings, and FAISS for high-speed vector retrieval across multi-document inputs. [May 2025 - June 2025] GitHub: RAG-Assistant

TECHNICAL SKILLS

Programming Languages: Python, C++, Java, JavaScript, SQL, HTML, CSS
Frameworks/Libraries: FastAPI, React.js, Streamlit, TensorFlow, PyTorch, Scikit-learn, Hugging Face Transformers, Sentence Transformers, NumPy, Pandas, Matplotlib, Seaborn
Tools: Docker, Git/GitHub, Postman, PyCharm, Jupyter Notebook, VS Code, MySQL, SQLite
Concepts: RAG, NLP, Deep Learning, Semantic Search, REST APIs

ACHIEVEMENTS AND CERTIFICATIONS

- Ranked 1st in the university in the 5th semester with a CGPA of 9.92
- Served as Joint Secretary, NSS. Coordinated community service.
- Completed 100 questions on LeetCode - View Profile
- Professional Anchor at international conferences. **Successfully hosted DoSCI-2024 & 2025, ICDDAM-2023, ICCCN-2022, ICCCNet-2023, and ICICC-2024 & 2025**. Demonstrated exceptional **public speaking**, event moderation, and **professional engagement skills**.
- Secured 45th rank out of 13,000+ contributors in GirlScript Summer of Code 2023 - Certificate of Completion
- Completed IBM Micro Internship '23 - Certificate of Completion
- Completed Google Cloud Study Jams'23 - Certificate of Completion
- **Finalist in Smart India Hackathon 2024; selected among top 50 from college and top 3 in the problem statement, advanced to Semi-finals.** Certificate