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Projects

TextIntellect- Document Q&A Bot | *Python, LangChain, Hugging Face, Streamlit*   **Dec`25 – Jan`26**
- Built a GenAI chatbot using a RAG pipeline for Q&A on user-uploaded documents
- Developed a LangChain RAG pipeline with Hugging Face embeddings
- Deployed a Streamlit app using ChromaDB as a vector store for context-aware LLM answers
- Repository Link: https://github.com/01mayankk/TextIntellect

NandiVision – AI Cattle Breed Classifier | *Python, TensorFlow, OpenCV*   **Sep`25 – Dec`25**
- Architected a two-stage EfficientNet-B0/B2 CNN for cattle and breed classification
- Attained 99.55% train / 98.95% val accuracy in Stage-1 after 15 epochs (binary cattle classification)
- Achieved 88.89% train / 68.21% val accuracy in Stage-2 after 25 epochs (breed classification)
- Repository Link: https://github.com/01mayankk/Nandi-Vision

NeuroCargo – Vehicle Load Management System | *Python, React, Material-UI*   **Mar`25 – May`25**
- Engineered a web application to predict vehicle overload status, achieving 93.60% prediction accuracy
- Implemented a full-stack architecture using Flask (API) and React (frontend) with a fully responsive UI
- Created a risk dashboard with Chart.js visuals and safety recommendations
- Repository Link: https://github.com/01mayankk/Neuro-Cargo

Certificates / Certifications

The Bits and Bytes of Computer Networking   **Sep`24**
Google — Certificate

Introduction to Hardware and Operating Systems   **Sep`24**
IBM — Certificate

Scientific Computing with Python Samyak (Grade: A+)   **Nov`23**
FreeCodeCamp — Certificate

Core Java Programming – Samyak (Grade: A+)   **Jul`23**
Samyak — Certificate

Achievements

- Attained a prominent global ranking at 3141st in GeekForGeeks Weekly contest 179
- Ranked in HackerRank's top 10% with 5 stars in C++ and Python and 4 stars in C and Java
- Consistently solved 700+ problems across various competitive programming platforms

Skills

Languages: C, C++, Python, Java

Frameworks: HTML5, CSS, React.js Next.js, Flask, Streamlit, FastAPI

Tools/Platforms: Git, Github, Ubuntu, MongoDB, MySQL

Domain Skills: Data Structures and Algorithms, Problem-Solving, Scripting in Python and JavaScript

Education

Lovely Professional University   **2023 – Present**
Bachelor of Technology - Computer Science and Engineering — CGPA: 7.31   *Phagwara, Punjab*

R. S. M Public School   **2021 – 2023**
Intermediate — Percentage: 71   *Supaul, Bihar*

Shanti Mission Academy   **2020 – 2021**
Matriculation — Percentage: 91.2   *Saharsa, Bihar*