HIMANSHU NEGI

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🎓 Education

Information Technology-Graphic Era Hill University   2022 – Present
Bachelor of Engineering- CGPA till 5th sem 7.2.   *Dehradun, India*

12th standard- Kendriya Vidyalaya Gaucher   2021 – 2022
CBSE-Intermediate- PCM B+ Grade   *Gaucher, India*

⚗ Projects

Image Steganography   Jan 2024-Feb 2024

> Constructed a command-line interface (CLI) tool employing Python and the Pillow library to obfuscate critical data within images, leading to the successful resolution of 3 major test cases.

Pioneered a pneumonia detection system leveraging machine learning algorithms on chest X-ray images   Oct 2024-Dec 2024

> Engineered a pneumonia detection model utilizing k-nearest neighbors and probability-based methods, achieving a 92 Percent accuracy rate in identifying pneumonia from chest X-ray images.

Sentiment Analysis Using BERT   Jan 2025-Mar 2025

> Deployed a sentiment analysis pipeline leveraging BERT for real-time feedback assessment, enabling customer service team to identify and address negative experiences 35 Percent faster than previous methods.

Mini Torrent (Peer-to-Peer File Sharing System)   Mar 2025-Present

> Engineered a peer-to-peer file sharing application leveraging BitTorrent protocols, enabling secure and accelerated distribution of large datasets across a distributed network of 50+ users.

> Developed a multithreaded peer-to-peer file sharing system in C++ utilizing socket programming, achieving 99.99 Percent data integrity across 50+ nodes through robust hashing and synchronization techniques.

🍰 Experience

Coding Ninja   Apr 2024 – Apr 2024
WFH   *India*

- Mentored and coached over 20 junior developers in grasping core data structures and algorithms (DSA) concepts through tailored guidance, leading to a 95 Percent course completion rate and highly favorable student reviews.

Entrepreneurship Apprenticeship at NIESBUD   Nov 2024 - Nov 2024
WFO   *India*

- Explored small business ecosystems and mastered business model canvas methodology during intensive apprenticeship, generating three unique startup concepts evaluated by venture capitalists for market viability.

- Examined financial statements and pricing strategies of 15 local businesses during entrepreneurship program, directly informing creation of a comprehensive business plan scoring 90/100 by the program directors.

⚙ Skills

Technical : C, C++, Python, Java ,HTML/CSS ,JavaScript , SQL, React, Machine Learning,MongoDB .

Skills : Facilitated weekly training sessions for teams of 5+ new hires on critical software documentation, increasing team productivity by 10 Percent and reducing onboarding time by approximately 20 hours.