Harshvardhan Sharma

📞 +91 7067133966 ✉ hvsharma2164@gmail.com in LinkedIn ⌂ GitHub 🔗 Portfolio </> LeetCode k Kaggle

Education

International Institute of Information Technology (IIIT) Naya Raipur **Nov 2022 – Present**
Bachelor of Technology, Data Science and Artificial Intelligence *CGPA: 9.41*

Ryan International School **Jun 2021 – Jul 2022**
CBSE Board, Class - XII *97.2%*

Relevant Coursework

Data Structures, Algorithms, OOPS, Data Analytics, Machine Learning, Deep Learning, Artificial Intelligence, Cryptography, Blockchain Technology, Database Management, Computer Networks, Data Communication, NLP

Projects

Supply Chain Management using Blockchain | *Solidity, MERN Stack, Ethereum, Web3* **Mar 2025 – May 2025**
- Created a full-stack decentralized supply chain management system, reducing the potential for counterfeiting and diversion by an estimated 90% through immutable ledger technology.
- Engineered a seamless medicine tracking system, enabling secure role-based access for 4 participant types, and streamlining supply chain operations resulting in a faster delivery to end consumers.
- Written in Solidity, the smart contract allows 5+ features: adding Medicines, registering Participants, assigning participants to medicines, tracking stages, shipment creation and medicine transfer logging.

Brain Tumor Classification using Spatiospatial Model | *Deep Learning, ResNet(2+1)D* **Aug 2024 – Dec 2024**
- This research explores an innovative approach to classifying 3D volumetric MRI scans using spatiotemporal models, ResNet(2+1)D, traditionally applied to video analysis.
- This model effectively processes data by decomposing 3D convolutions into two operations: a 2D convolution to capture spatial information within frames (or slices) and a 1D convolution to handle interframe (or inter-slice) relationships.
- Achieving an overall accuracy of **90%** in categorizing between Healthy, HGG and LGG 3D MRI Brain Scans.

Applicant Tracking System | *Python, NLP, Machine Learning, Full Stack Web Development* **Jan 2024 – May 2024**
- Developed a sophisticated system that analyzed and categorized job descriptions, parsing key qualifications and skills; streamlined the hiring process for 20+ positions by ensuring alignment with candidate profiles.
- Candidate profiling is enriched with qualitative aspects extracted by NLP, analyzing over 1,000 data points per candidate to create comprehensive profiles.
- The user interacts with the ATS through a full stack web interface, featuring real-time updates, produces resume report within 10 to 15 seconds of upload and a secure environment that complies with data protection regulations.

Social Media Sentiment Analysis | *Python, NLP, Full Stack Web Development* **Sep 2023 – Dec 2023**
- Developed a machine learning model for sentiment analysis across Twitter and YouTube, achieving a **95%+** accuracy rate in categorizing user sentiments.
- Facilitated actionable insights for marketing strategies based on real-time feedback from a dataset of over 1,000,000+ entries.
- Social media significantly influences public opinions and ideas with over 4.9 billion users globally, making it crucial to analyze the sentiments expressed on these platforms.

Technical Skills

Languages: Python, C, C++, SQL, Javascript
Technologies/Frameworks: Git, Linux, NumPy, Pandas, Matplotlib, Sci-Kit Learn, Tensorflow, React.js, Node.js, Express.js, Tableau, Microsoft Excel, Flask, Jupyter, Docker, MongoDB, PostgreSQL, Golang

Languages and Hobbies

- English : Professional Proficiency
- Hindi : Native Proficiency
- Cinephile
- Sports and Fitness Enthusiast

Achievements

AI-Based Flappy Bird Game with Dynamic Level Generation **Mar 2024**
Issued by IEEE IATMSI *Certificate of Appreciation*

Social Media Sentiment Analysis through Novel User-generated Content **Mar 2025**
Issued by IEEE ICETA *Certificate of Publication*