MANVARDHAN SINGH HARARIYA

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Education

Graphic Era University, Dehradun	**2022 - 2026**
B.Tech in Computer Science & Engineering	*9.3/10 CGPA*
Aryaman Vikram Birla Institute of Learning	**2022**
PCM + CS, 12th Board	*86.66% CBSE*
Aryaman Vikram Birla Institute of Learning	**2020**
10th Board	*92.60% CBSE*

Projects

Full Stack Chat Application — MERN   Source Code

- **Situation:** Needed a scalable, interactive chat application for users to communicate in real-time.
- **Task:** Develop a production-ready chat application with secure authentication and real-time messaging capabilities.
- **Action:** Utilized the MERN stack (MongoDB, Express, React, Node.js) to build the application. Implemented JWT(JSON Web Token) for secure authentication and Socket.io for real-time communication.
- **Result:** Successfully deployed the application on Render, capable of handling a high volume of concurrent users with horizontal scaling.
- Deployed Application

Stock Portfolio Risk Management — Python   Source Code

- **Situation:** Financial investors needed an optimized approach to manage stock portfolios and maximize returns.
- **Task:** Create an algorithm that analyzes financial data and constraints to optimize investment strategies.
- **Action:** Developed an algorithm to evaluate various assets and identify optimal investment strategies while minimizing risk and investment. Implemented dynamic adjustments based on real-time data.
- **Result:** Achieved accurate and reliable investment recommendations, providing actionable insights that improved portfolio management.

Resume Classification using SVM — Python, Flask   Source Code

- Developed a machine learning model using Support Vector Machines (SVM) to classify resumes into categories.
- The model was trained and evaluated using a Kaggle dataset, achieving an impressive 91% accuracy on unseen resumes.
- Implemented preprocessing steps to enhance model performance and ensure robust classification.
- Designed and executed a rigorous testing framework to validate the model's accuracy and reliability across diverse resume formats and content.
- Provided a user-friendly interface for interacting with the model, allowing easy classification and analysis of resumes in real-time.

Technical Skills

Languages: C/C++, JavaScript, Python
Backend: Node.js, Express.js, Django
Frontend: React, NEXT.js, TailwindCSS, DaisyUI, HTML, CSS, Bootstrap
Clouds & Databases: MongoDB, MySQL
Web Technologies: Socket.IO
Developer Tools: Postman, VS Code, Git, GitHub

Honours and Hackathon

Code For Good '24   **July 2024**
Batch of 2024   *by JP Morgan & Chase, Bangalore*

- Got selected being in top **400 out of 53,000** students who applied, got to spend 24+ hours on working under NGO, developing a real time solution
- Built a working web app solution and gained industry-level work experience

Algorithmic Competitions/Achievements

- Solved **450+ medium/hard** DSA problems from **LeetCode, CodeForces**, building problem solving skills.
- Rated **1661** on LeetCode with (Top 15.92%).
- **Won 2+ coding contests** in inter-college competitions