HARSHIT

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech	Jaypee University Of Engineering And Technology University	7.1	2021-2025

PROJECTS

- **Stock Market Trend Prediction**: *Machine Learning*
  - Developed a deep learning model using LSTM networks in TensorFlow and Keras to predict stock market trends with 15% improved accuracy.
  - Applied feature scaling, data smoothing, and time series analysis using the past 100 days' price data.
  - Containerized the model using Docker and automated retraining workflows through a CI/CD pipeline (GitHub Actions).
  - GitHub Repository

- **Hand Digit Recognition**: *Computer Vision*
  - Implemented a digit recognition system using Support Vector Classifier (SVC) and a Keras Sequential model, achieving 95% accuracy on the MNIST dataset.
  - Optimized model hyperparameters and improved data preprocessing using OpenCV and TensorFlow.
  - Deployed the model through Streamlit for real-time digit predictions.
  - GitHub Repository

- **Bacteria Detection in Plant Leaves**: *Deep Learning / Computer Vision*
  - Built a deep learning model using transfer learning (EfficientNet) to detect 33 plant leaf diseases with 90% accuracy on the PlantVillage dataset.
  - Addressed class imbalance via data augmentation and batch normalization for stable training.
  - Deployed model on a Kubernetes cluster for scalable inference and performance monitoring.
  - GitHub Repository

EXPERIENCE

- **Full Stack Developer** : *JeeVijay Technologies* (2025)
  - Designed and developed a people portfolio and profile management system allowing users to showcase personal details, skills, experience, and achievements.
  - Built an Education ERP module to manage student records, academic details, courses, and administrative workflows with role-based access control.
  - Implemented responsive user interfaces using React and modern CSS practices, ensuring cross-device compatibility and improved user experience.
  - Developed RESTful APIs using Node.js and Express, integrated with MongoDB for secure and scalable data storage.
  - Implemented authentication, authorization, and full CRUD operations following industry best practices.

SKILLS

- **Programming**: C, C++, Python, MySQL, JavaScript, HTML, CSS
- **Libraries & Frameworks**: NumPy, React, NextJS, Pandas, Matplotlib, Keras, TensorFlow, Scikit-learn, Hugging Face, Streamlit
- **DevOps & Tools**: Docker, Kubernetes, CI/CD (GitHub Actions, Jenkins), Git, VS Code, Jupyter Notebook, Google Colab
- **Applications**: Machine Learning, Deep Learning, Data Visualization, Classification, Regression, Clustering, Dimensionality Reduction

KEY COURSES TAKEN

- **Mathematics**: Linear Algebra, Calculus, Discrete Mathematics, Probability and Random Processes
- **Data Science & Machine Learning**: GeeksforGeeks – Data Science and Machine Learning Course
- **Programming**: Python Programming (Udemy)

Positions of Responsibility

- **Member, GFG Club, Jaypee University of Engineering and Technology**: Organized and conducted technical discussions and team meetings.

Achievements

- **Postman Student Expert (2022)**: Completed Postman API Certification; demonstrated strong skills in API testing and integration.

Extracurriculars

- **Student Volunteer (2021)**: Designed promotional poster for college fest *D'equinox.*

Extracurriculars

- **Student Volunteer**, Designed a poster for college fest D'equinox   *2021*