

HIMANSHU RAI

Azamgarh, Uttar Pradesh

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LeetCode

Github

HackerRank

EDUCATION

Noida Institute Of Engineering & Technology
B.Tech in Computer Science(AIML) - CGPA - 7.7

10/2021 – 07/2025
Greater Noida, Uttar Pradesh

Shiv Vani Model Senior Secondary School
Higher Secondary - CBSE - Percentage - 78%

06/2021
Mahavir Enclave, New Delhi

COURSEWORK / SKILLS

- Data Structures & Algorithms
- Database Management System (DBMS)
- OOPS Concept
- Computer Vision
- Operating Systems
- Machine Learning
- Web Development

PROJECTS

Movie-Recommender System | Python, Pandas, Streamlit, Pickle, Heroku **07/2024**

- Developed a **content-based** movie recommendation system using **cosine similarity** for personalized recommendations.
- Built and deployed a **Streamlit** app on **Heroku** with TMDb API integration.

Simon Say Game | React, JavaScript, Node.js, Express.js, MongoDB, Bootstrap, HTML **04/2024**

- Developed Simon Say, a **memory-based color prediction** game using Bootstrap and JavaScript.
- Implemented **dynamic color sequences** and user interaction with JavaScript logic.

Plant Disease Detector | Python, Pytorch, Deep Learning, TensorFlow, OpenCV, Streamlit, Pandas **05/2025**

- Built a deep learning web application to detect plant leaf diseases using a **CNN** model trained on labeled image datasets.
- Utilized **PIL** for image loading and resizing, and applied torchvision.transforms to preprocess inputs for a custom-trained CNN model.
- Created an interactive **Streamlit** interface that provides real-time predictions including **disease diagnosis, confidence scores, recommended treatments, and suggested supplements..**

ConsultancyPortal | React.js, Node.js, Express.js, MySQL, EmailJS, JWT Authentication **12/2024**

- Developed a full-stack consultancy portal with OTP-based account verification and **personalized services**.
- Implemented JWT authentication with refresh tokens for secure user **sessions**.
- Built a **responsive** React.js frontend and a scalable Node.js backend with MySQL.

Face-Mask Detector | Python, TensorFlow, Keras, OpenCV, VGG16, Deep Learning, Image Processing **10/2024**

- Built a deep learning model using **VGG16** to classify faces as masked or unmasked with high accuracy.
- Integrated OpenCV for **real-time face detection** and mask verification using a webcam feed.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, NoSQL, HTML, CSS

Developer Tools: VS Code, IntelliJ IDEA, Hoppscotch, Pycharm, Jupyter Notebook, Netlify

Technologies/Frameworks: GitHub, ReactJS, NextJS, NodeJS, ExpressJS, Git, Mongo, Bootstrap, Tensorflow, Keras, OpenCV, Scikit-Learn

HONORS & AWARDS

- Participated in **Smart India Hackathon** and got selected at internal level.
- Secured 1st Place in **Sports fest**.

CERTIFICATIONS

- Introduction to Machine Learning - **Duke University**
- Java Programming Fundamentals - **Infosys**
- JavaScript Essential - **Infosys**