Shantanu Singh

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Education

Chandigarh University
BE in Computer science
Aug. 2022 - Present | Mohali, Punjab
Cgpa: 7.58 / 10

Dr. MPS World School
Intermediate (CBSE) | 71.2% | 2022 | Agra, UP

Dr. MPS World School
Matriculation (CBSE) | 70.8 % | 2020 | Agra, UP

Links

Linkedin: Shantanu Singh
Github: ShantanuisCoding
Leetcode: Shaaantaaanu

Skills

Programming

Over 5000 lines:
C++ • Python • Java • JavaScript • AI(ML)
Over 1000 lines:
C • MySQL • HTML • CSS • Node JS
Familiar:
Kotlin • Solidity • Rust • C# • PHP • Git

Interpersonal Skills

Communication • Teamwork • Leadership • Problem Solving • Time Management • Adaptability

Co-Curricular Achievements

Solved 50+ LeetCode platform based on DSA
Participated in:
Codex Ninja Hackathon • HashHacks 6.0 • DevRev Forge •
HackFest'24

Projects

EDMRS | Dec 2022

Objective: Built a system that recommends music based on the user's detected emotional state.
Technologies Used: Python, Machine Learning, OpenCV, and Spotify API.
Key Features: Real-time facial emotion detection integrated with a music recommendation engine.
Impact: Enhanced user experience by providing personalized music suggestions based on mood.

Video Translator | Oct 2023

Objective: Developed an application that translates audio in videos into different languages.
Technologies Used: Python, Speech Recognition API, Google Translate API.
Key Features: Automatic speech recognition, translation, and subtitle generation for videos.
Impact: Helped break language barriers, making content accessible to non-native speakers.

Voice Cloner | Feb 2024

Objective: Created a system capable of cloning a person's voice from a few seconds of audio input.
Technologies Used: Deep Learning, Python, TensorFlow, and PyTorch.
Key Features: Real-time voice cloning with minimal data input.
Impact: Provided an innovative solution for voice replication in areas like virtual assistants and content creation.

Beginners

- Library Management System | Aug 2022
- Face Recognition using Deep Learning | May 2023
- Smart Attendance System | Feb 2023

Research

Brain Stroke Prediction Model | Aug 2024

Objective: Developed a machine learning model to predict the likelihood of brain strokes based on patient medical data and health indicators.
Techniques Used: Applied various algorithms such as Random Forest, SVM, and Logistic Regression for prediction; implemented feature selection to improve accuracy.

Heart Disease Prediction Model | Dec 2023

Objective: Built a predictive model to assess the risk of heart disease using patient data, aiming to improve early diagnosis.
Techniques Used: Utilized algorithms like Decision Trees, KNN, and Neural Networks; performed data preprocessing, feature engineering, and model evaluation.

Certifications

1. C & C++
2. Python
3. Introduction to Web3
4. Basics of Advanced Database Management System
5. Java
6. IoT Architecture
7. Entrepreneurship