

HARSH KUMAR

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EDUCATION

Jaypee University of Information Technology 2022 - 2026
B.Tech in Information Technology (IT); CGPA: 9.09/10.0 Solan, Himachal Pradesh, India

Delhi Public School, Panipat City 2019 - 2021
Senior School Certificate Examination, CBSE; Percentage: 93.2% Panipat, Haryana, India

PROJECTS

Coronary Artery Disease Detection Model | Tech Stack: Python, Scikit-learn, Pandas January, 2025

- Developed a machine learning model to detect Coronary Artery Disease (CAD) using patient data.
- Used **XGBoost**, **AdaBoost**, **CatBoost**, and ensemble learning to enhance prediction accuracy.
- Achieved **90.16% accuracy** and **93.18% F1 score**, outperforming traditional models in identifying CAD cases.

Music Playlist Web App | Tech Stack: Flask, HTML, CSS, YouTube Data API v3, SQLite August, 2024

- Built a **Flask-based web application** that allows users to create and manage custom music playlists.
- Integrated **YouTube Data API v3** to enable seamless video streaming within the platform.
- Utilized **SQLite** for persistent playlist storage and optimized user preference management.

AI-Powered Fake Product Review Detector | Tech Stack: Python, FastAPI, NLP, LLM (ChatGPT/Gemini API) March, 2024

- FastAPI-based application for analyzing and classifying **fake and AI-generated reviews**.
- Integration of **ChatGPT/Gemini API** for real-time text evaluation and authenticity detection.
- Simple web interface allowing users to submit reviews and receive AI-generated analysis.

TECHNICAL SKILLS

Programming Languages: C, C++, Python, Java (Familiar), SQL

Machine Learning: Scikit-learn, Pandas, NumPy

Web Technologies: HTML, CSS, Flask

Developer Tools: GitHub, VS Code, Jupyter Notebook, WordPress, Visual Paradigm (UML)

Coursework: Software Engineering Practices, Cloud Computing Fundamentals, Data Structures & Algorithms, Object-Oriented Programming using C++, Database Management System, Operating System

ACHIEVEMENTS

- 2024:** Smart India Hackathon (Internal Round) – **1st Position** out of 60+ teams at JUIT.
- 2024:** **1st Position** at Code Rumble, IEEE coding contest held during Murious 18.0 Event at JUIT.
- 2023:** Recipient, **Prime Minister's Scholarship Scheme (PMSS)** for higher technical education, awarded through the National Scholarship Portal (NSP).

LEADERSHIP & INITIATIVES

Editor & Webmaster, Slashinfo.com 2018 - Present
Google News Approved Website, WordPress, SEO

- Manage **Slashinfo.com**, a **Google News-approved website** covering trending topics.
- Optimize **WordPress infrastructure, SEO, and content strategies** for better search rankings.
- Slashinfo.com** has been cited by **30+ tech news websites**, including **GSMarena, Neowin**, and others.

Organizer, ACM - Association for Computing Machinery, JUIT September 2023

- Managed and coordinated **100+ participants**, registrations, submissions, and event workflows.
- Assisted teams with **digital submissions, technical queries, and event execution**.