

# HARSH KUMAR

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## EDUCATION

**Jaypee University of Information Technology**  
B.Tech in Information Technology (IT); CGPA: 9.09/10.0

2022 - 2026

Solan, Himachal Pradesh, India

**Delhi Public School, Panipat City**  
Senior School Certificate Examination, CBSE; Percentage: 93.2%

2019 - 2021

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**.