


HARSHVARDHAN SINGH PANDYA

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EDUCATION

Vellore Institute of Technology Bachelor of Computer Science, Specialization in Artificial Intelligence and Machine Learning September 2021– May 2025

Cumulative GPA: 7.11/10

Campion School, Bhopal

HSC (12th Standard): 84% | May 2021

SSC (10th Standard): 80.69% | May 2019

PROJECTS

Content-Based Music Recommendation System

Developed a web application that recommends songs based on user preferences.

Utilized Python, Flask, Spotipy, and Scikit-Learn for data processing and feature extraction.

Implemented key features such as danceability, instrumentality, and tempo analysis for personalized recommendations.

Heart Disease Prediction Model

Designed a machine learning model for real-time patient health assessment.

Evaluated multiple algorithms: SVM, Logistic Regression, Decision Tree, Random Forest, and Ensemble Learning.

Achieved 98%+ accuracy and deployed the model as an interactive web application.

NGO Management System

Developed a web-based application to streamline donor management, volunteer coordination, and project tracking for NGOs.

Collaborated with a team to design and implement the system using **React, Flask, PostgreSQL, and AWS**. Engaged with **Rakshita Welfare Society** to gather real-world insights and ensure the platform meets NGO needs.

Led **outreach efforts**, connecting with NGOs and stakeholders to enhance system adoption and usability.

TECHNICAL SKILLS

Programming Languages: C++, Java, Python

Web Development: HTML, CSS, JavaScript, React

Machine Learning & AI: Scikit-Learn, TensorFlow, Neural Networks

Cloud Computing: AWS Services

Databases: PostgreSQL, MongoDB, MySQL

CERTIFICATIONS

AWS Cloud Practitioner Certification (Valid until Feb 2027)

AWS Certified Solutions Architect – Associate (Valid until Feb 2027)

HTML, CSS, and JavaScript for Web Developers (Coursera, Jan 2023)

Introduction to Data Science (Board Infinity, Feb 2024)

EXTRACURRICULAR ACTIVITIES & INTERESTS

Technology & Innovation: Passionate about AI tools, OpenAI, and IoT applications.

Sports: Active in Football, Cricket, Badminton, and Swimming.

Music: Skilled pianist with a deep interest in music composition.

Interests: Enthusiastic about leveraging IoT and AI technologies to drive innovation and connectivity.

LANGUAGES

Fluent in Hindi and English
