**Aastha Smriti Jha**

Phone: +91 9106197529 | Email: aastha1152004@gmail.com

**Education**

**VIT Bhopal University**        Bhopal, Madhya Pradesh

BTech                Expected May 2026

Major in Computer Science with specialization in Artificial Intelligence and Machine Learning

Cumulative GPA: 9.2/10

**12th Standard**

**Atmiya Vidyapeeth School**Gandhidham, Gujarat

CBSE Cumulative GPA: 9.6/10         Jul 2022

**10th Standard**

**Atmiya Vidyapeeth School**Gandhidham, Gujarat

CBSE Cumulative GPA: 9.4/10         Jul 2020

**Projects**

CVD Detector Website                Jun 2021 – Sep 2021

* Developed a Front-end standardized CVD detection app with 35% reduction in turnaround time with machine learning models for ECG images and lifestyle parameter model
* Acquired curated accuracy and model precision values of different ML models with Random Forest Classifier with an accuracy of 97.8% for ECG image model and Gradient Boosting Algorithm with 78% accuracy for lifestyle parameter model

Face Detection System

* Performed pre-processing of images for optimal MTCNN performance, including resizing, normalization, and augmentation techniques. Ensured model's robustness by training on diverse datasets with varying lighting conditions, orientations, and occlusions.
* Trained MTCNN on custom datasets, fine-tuning hyperparameters to achieve optimal performance.

**Extracurricular Activities**

**Vivibha 2024 Viksit Bharat Research Paper Writing Competition**

* Participated in a research paper writing competition on the topic “The Empirical Paradigm of Art And Literature In Being Backbone Of The Cultural Territory: Engraving Values Of Art And Literature To Shape Culture “organized by Bharatiya Shikshan Mandal and got selected for the 3-day conference and exhibition.

**ADDITIONAL SKILLS**

**Technical Skills**: SQL; Proficient in MATLAB, Python, Excel, HTML, CSS and JavaScript, Machine Learning (predictive analysis) algorithms, Python, C++, Java

**Languages:**Fluent in Hindi, and English; Conversational Proficiency in Gujarati and Sanskrit

**Certifications & Training:**

* Certification course on MATLAB Simulink Oct 2022
* Python Essentials by VITyarthi April 2023
* Introduction to Problem-Solving by VITyarthi May 2023
* NPTEL (Privacy and Security in Online social media) July 2023 – October 2023
* Python (basic, intermediate) by Hackerrank Oct 2023
* MySQL (Basic, Intermediate, Advanced) by Hackerrank Nov 2023
* Online Course in Applied Machine Learning in Python (Coursera) Jan 2024
* Problem Solving (Basic) by Hackerrank May 2024
* Computer Vision by VITyarthi Dec 2024
* Java Basic by Hackerrank Jan 2025
* IBM Gen AI Using IBM watsonx April 2025
* IBM Blockchain fundamentals April 2025
* IBM Blockchain Developers April 2025