

# PRABHJOT SINGH ASSI

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Indore, Madhya Pradesh, India

## OBJECTIVE

Innovative Computer Science and Engineering student with a passion for AI and ML. Seeking a software engineering role as a product developer focused on building meaningful tech solutions that create real-world impact.

## EDUCATION

### Acropolis Institute of Technology and Research

B.Tech. in CSE (AI & ML) *CGPA: 7.22*

Indore, India

Oct 2022 - July 2026

*Coursework: Data Structures, Analysis & design Of Algorithms, OOP, OS, DBMS, AI, ML, DL, Computer Networks, Cloud Computing*

### Chameli Devi Public School

12th CBSE Board : 73% | 10th CBSE Board : 90.4%

Indore, India

April 2019 - July 2022

## WORK EXPERIENCE

### Edunet Foundation

*AI: Transformative Learning with TechSaksham*

Virtual Internship

November 2024 - December 2024

- Deployed an ML model using Streamlit for image classification using MobileNetV2 trained on CIFAR-10 dataset.

## SKILLS

Programming Languages: Python, C++, MySQL

Frameworks: NumPy, Pandas, Matplotlib, Flask, Scikit-learn

Databases: SQL, PostgreSQL, Firebase, Supabase

Tools: Git/GitHub, VS Code, Android Studio, Figma and AI agents

Core Concepts: Data Structure and Algorithms, DBMS, Machine Learning

## PROJECTS

### Signify | Flutter, Python, Mediapipe

Backend and App Developer

An AI-driven Indian Sign Language translation system that interprets gestures made by hard-of-hearing individuals and converts them into text and speech output. Achieved gesture recognition of 40 ISL gestures in real-time.

### Med.AI | Python, PyTorch, Scikit-learn

Team Leader and ML Developer

Led the development of an AI-powered system that uses data analytics and image recognition to assist medical experts in analyzing symptoms and X-Ray reports. Improved X-ray diagnosis accuracy by 15% in testing.

### Krishi | Flutter, OpenWeather API, Gemini API, Arduino

Lead Developer

AI powered app integrated with IOT Sensors, providing soil analysis and actionable insights to farmers for improved crop productivity. Increased crop yield by 20% for 10+ farmers in trials in the Indore region.

### Kavach - SOS Safety App | Java, XML

Team Leader and App Developer

Android app that enables users to send SOS messages during emergencies by speaking predefined, non-suspicious trigger words. Enabled SOS triggers with 80% accuracy in noisy environments.

## ACHIEVEMENTS

### Intellify 3.0 Hackathon Winner

Marwadi University, Rajkot

Developed an app for Bidirectional ISL translation.

August 2025

### Code for Bharat 2 - 1st runner up

Microsoft Office, Sovereign Capital Noida

Developed an app for Bidirectional ISL translation.

August 2025

### SIH 2024 Winner

MoE's IC and AICTE

Winner for Problem Statement 1716 - Indian Sign Language to Text/Speech translation.

December 2024

### \$4000 IEEE Tech4Good grant recipient for Harvesting Hope Project

IEEE HTB

Developed Krishi, providing soil analysis and actionable insights to farmers for improved crop productivity.

July 2024

### HackWave Hackathon Winner

Chameli Devi Group of Institutions, Indore

Developed an innovative system for translating ASL to Text/Speech and Text/Speech to ASL.

April 2024

### Prayatna Hackathon - 3rd runner up

Acropolis Institute of Technology and Research, Indore

For developing an AI-powered system that helps medical experts in analyzing symptoms and X-Ray reports.

March 2024

### Codespire Hackathon - 1st runner-up

Acropolis Institute of Technology and Research, Indore

Developed an audio analysis engine to compare pitch and voice characteristics, aimed at helping singers.

March 2023

## CERTIFICATIONS

- Infosys Springboard Certification in Python

July 2024

- Infosys Springboard Certification in Machine Learning

December 2024