Shrestha Jaiswal

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Education

VIT Bhopal University   Bhopal, Madhya Pradesh
BTech   Expected May 2026
Major in Computer Science; Minors in Artificial Intelligence and Machine Learning
Cumulative GPA: 9.12/10

12th Standard
New Angels Sr. Sec School   Pratapgarh, Uttar Pradesh
CBSE Percentage: 94.6   Jul 2021

10th Standard
MPVM Ganga Gurukulam School   Prayagraj, Uttar Pradesh
CBSE Percentage: 94.6   Jul 2019

Projects

Symptom Analyzer   Apr 2025 – May 2025
- Developed a **disease diagnosis and recommendation system** using **Python**, **Machine Learning models**, and **Flask** through training multiple classifiers increasing prediction reliability by **18%** using comprehensive data preprocessing.
- Enhanced healthcare accessibility by predicting **40+** diseases and generating personalized medication, precaution, and lifestyle recommendations along with mental health chatbot support.
- Technologies: Python, Flask, Scikit-learn, Pandas, NumPy, HTML, CSS, JavaScript

PrepAI (Smart Data Cleaning & Preprocessing Assistant)   Mar 2025 – Apr 2025
- Automated end-to-end data preprocessing with CSV/Excel uploads, delivering instant summaries and correlation matrices, accelerating EDA and model preparation by **40%** while cutting manual work by **70%.**
- Integrated a tool for training and visualizing ML models on diverse targets, increasing experimentation throughput by **33%.**
- Technologies: Python, Flask, Pandas, Bootstrap, Scikit-learn, NumPy, Matplotlib

Automatic Number Plate Recognition System (ANPR)   Jan 2025 – Mar 2025
- Designed an ANPR system enabling real-time visualization on video frames using **Python**, **YOLOv8** for vehicle and license plate detection, and **EasyOCR** for text recognition for efficient monitoring and automation.
- Implemented bounding box interpolation to address missing frames and maintain detection accuracy of above **90%**.
- Technologies: Python, YOLOv8, EasyOCR, OpenCV, NumPy, and SciPy

BragTech |Graphic Design Intern   Apr 2023 – Jul 2023
- Produced 50+ posters, logos, certificates, and business cards, increasing user satisfaction by 12% with brand-aligned designs.

Co-Curricular Achievements

- Achieved **5-star rating** for **C++** and **SQL** on HackerRank by solving **100+** challenging problems.
- Solved over **400 questions** on Data structures and Algorithms on various coding platforms.
- Selected as one of **5000** Reliance Foundation UG Scholars from a pool of 40,000 applicants.

Extra-Curricular

Android Club|Design Team Member   Jun 2023 – Jan 2025
- Designed promotional materials to effectively communicate event themes to an audience exceeding 300 individuals.

Insights Club (Journalism) |Design Team Member   Jun 2023 – Jun 2024
- Collaborated effectively with 8 cross-functional teams to extract insights of 100+ events conducted in university.

ADDITIONAL

Technical Skills:	Machine Learning, HTML/CSS, JavaScript; Proficient in C++, Python, SQL; Operating Systems, Computer Networks, Database Management Systems, Object-Oriented Programming
Languages:	Fluent in Hindi, English
Certifications & Training:	Privacy and Security in Online Social Media (NPTEL) – April 2024.