Swayum Hastwala

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh — Apr 2022 - Present
B.Tech in Computer Science & Engineering   GPA: 8.55/10

Modern Public School, Jhansi, Uttar Pradesh — July 2022
12th Standard (CBSE) Percentage: 89%

Sun International School, Jhansi, Uttar Pradesh — July 2020
10th Standard (CBSE) Percentage: 91.8%

Projects

Vastraverse — Cultural Dressing Virtual Photoshoot (Dec 2024 – May 2025)
- Designing a virtual try-on model that enables users to experience traditional Indian outfits on static images using deep learning.
- Utilized TensorFlow for human parsing, clothing segmentation, and warp transformations on curated ethnic datasets.
- Implemented backend image processing pipeline and pose mapping to enhance realism in try-on simulations.
- Technologies: Python, TensorFlow, OpenCV, NumPy

Aushadhcare: Blood Report Analysis and Disease Prediction System   (Sept – Nov 2023)
- Developed a system to analyse blood reports and predict potential diseases, enhancing early detection and health insights.
- Integrated data validation, a risk assessment algorithm, and a user-friendly interface for accurate and seamless interactions.
- Improved prediction accuracy by 20%, enhancing the reliability of health assessments.
- Collaborated with a team of 5 to streamline development and conducted usability testing to refine the application based on user feedback.
- Technologies: JAVA, XML, Android Studio

Friday — AI Assistant   (Feb 2025 – Present)
- Developing an AI assistant capable of performing system tasks via natural language processing (NLP) and voice commands, enhancing desktop automation efficiency by 40%.
- Integrated functionalities including Wikipedia search, time-telling, and task automation using Python and Tkinter for GUI.
- Currently expanding the assistant with Generative AI capabilities using TensorFlow and machine learning algorithms.
- Technologies: Python, TensorFlow, NLP

Skills

- **Languages**: Python, C++, C, Java, SQL, JavaScript
- **Frameworks**: ReactJS, HTML, CSS, NumPy, Pandas, TensorFlow, OpenCV
- **Tools**: GIT, Visual Studio Code, Postman
- **Soft– Skills**: Leadership, Writing, Communication

Achievements & Certifications

- Solved **450+ DSA problems** on LeetCode and **200+ DSA problems** on GeeksforGeeks
- Secured 3rd rank in the Bug Bonanza event organized by the GeeksforGeeks club at VIT
- Reached Semi-Finals of Bharat GenAI Hackathon
- Ethnus Certified AWS Cloud Practitioner (Ethnus)
- Advanced: Generative AI for Developers (Google Cloud Skills Boost) (Self Learning)

 Hobbies: Travelling, Music

Languages: Hindi, English, Spanish (Basic), Japanese (Basic)