HRITHIK SHARMA

(+91) 8492840864 | EMail | Linkedin | GitHub

TECHNICAL SKILLS

- **Languages -** C, Python, Java, HTML, CSS, JavaScript, PHP, MYSQL
- **Tools –** Jupyter Notebook, Google Colab, VS Code, mySql, Oracle
- **DevOps -** Docker, Kubernetes, AWS
- **Libraries -** Pandas, NumPy, Matplotlib, Scikit-learn, TensorFlow, Keras, OpenCV, Media-Pipe, and YOLOv8
- **Soft Skills –** Communication, Teamwork, Problem-Solving

EDUCATION:

Model Institute of Engineering and Technology (Autonomous)   Jammu, India
B.E. in Computer Science | CGPA: 7.23/10.0 (up to 6th Semester)   Oct 2022 – Jun 2026
Specialization: AI&ML

Activity Public Hr. Sec. School   Jammu, India
12th Standard | Percentage: 86%   Apr 2021 – Apr 2022

Activity Public Hr. Sec. School   Jammu, India
10th Standard | Percentage: 91.2%   Apr 2019 – Apr 2020

PROJECTS:

Eye-Tracking Cursor Control | [Project Link]

Tech Stack: Python, scikit-learn, TensorFlow, OpenCV, PyAutoGUI, Haar Cascade, SVM

- Developed a vision-based system to control mouse cursor movement using real-time eye tracking via OpenCV and Python.
- Implemented Haar Cascade for eye detection and PyAutoGUI for controlling cursor actions based on gaze direction.
- Built a real-time eye-tracking system that processes video frames to detect and crop eye regions using Haar Cascade classifiers.
- Automatically extracted eye images frame-by-frame from the video and saved them in a structured output folder for further analysis and model training.

Hand-Controlled Virtual Mouse| [Project Link]

Tech Stack: Python, OpenCV, Media-Pipe, PyAutoGUI

- Developed a real-time hand controlled virtual mouse that allows users to control cursor movement using hand landmarks tracked via webcam.
- Integrated fingertip gesture recognition to simulate mouse clicks by detecting the distance between the index finger and thumb using Mediapipe and PyAutoGUI.

Explore Jammu and Kashmir| [Project Link]

Tech Stack: HTML, CSS, JavaScript, PHP, MySQL

- Designed and developed a responsive tourism website showcasing destinations, galleries, and travel information about Jammu & Kashmir.
- Implemented interactive frontend features like popups, form validation, and smooth navigation using JavaScript.
- Built a contact form backend with PHP and MySQL to store user queries in a database and send email notifications.

WORK EXPERIENCE:

TECHNO SOLUTIONS - Web Developer Intern (ONSITE) | Certificate   JULY 2025 - AUG 2025

- Assisted in developing and maintaining dynamic websites and web applications using HTML, CSS, JavaScript, PHP, and MySQL.
- Collaborated with the development team to implement new features, optimize performance, and debug existing code.

TECHIBLE – AIML Intern (REMOTE) | Certificate   JULY 2024 - AUG 2024

- Developed multiple AI projects including recommendation systems and disease prediction models.
- Collaborated with a team to implement ML algorithms, performed data analysis, and model evaluation.

PROGRAMMING PATHSHALA – Trainee | Certificate   August 2023

- Completed an intensive programming course focusing on C++ and its Core concepts.
- Worked on various hands-on programming exercises to deepen my understanding of algorithm and data structures.

CERTIFICATIONS:

Business Analytics for Management Decision- NPTEL, 2025 | Certificate
Deep Learning Specialization Certificate – Coursera | Certificate
Preparing for Google Cloud Certification: Machine Learning Engineer – Coursera | Certificate
AINCAT 2025 – India's Biggest Career Aptitude Test – Naukri Campus | Certificate