

Sahil Warade

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🔗 Portfolio

in LinkedIn

🐙 GitHub

Skills

Programming Languages: Python, C++

Machine Learning & AI: Machine Learning, Artificial Intelligence, TensorFlow Lite, Model Maker

Web Technologies: HTML, CSS, JavaScript, Flask, MERN Stack

Technical Clubs: PICT IEEE Student Branch (PISB) , PICT CSI (PCSB) , PICT CyberCell

Experience

AI-POWERED DROWSINESS DETECTION SYSTEM *Research Intern at PICT*

- Developed a real-time driver drowsiness detector using OpenCV, TensorFlow, Flask, and React.
- Integrated voice alerts and WebSocket for live video, with event logging in SQLite.

AI-ML VIRTUAL INTERNSHIP *Google For Developers by AICTE*

- Gained hands-on experience in mobile AI, focusing on image search, object detection, and classification using TensorFlow Lite and Model Maker.
- Enhanced skills in deep learning and on-device optimization.

NETWORKING CLOUD VIRTUAL INTERNSHIP *Juniper Networks by AICTE*

- Completed a virtual internship focused on cloud computing and networking.
- Covered JNCIA-Cloud topics like virtualization, containerization, NFV, SDN, OpenStack, and Kubernetes.

Education

SCTR's Pune Institute of Computer Technology (SPPU) *Pune, India*

- Bachelor of Engineering in Information Technology, CGPA: 8.01
- Honours in Data Science (2024-2026)

St Paul School Nagpur Class XII HSC: 94%

Montfort School Nagpur Class X SSC (CBSE): 90.40%

Projects

Advancements in Malware Detection

- Developed machine learning models to classify executables as malicious or benign using KNN, XGBoost, voting classifiers, and random forests.
- Achieved high accuracy and reduced false positives through rigorous model validation.

YOUTUBE COMMENTS SENTIMENT ANALYSIS *(Team Project)*

- Website made using Python and Flask.
- Provides a graph of sentiments in comments for a given video.

Wanderlust *(Team Project)*

- Developed a full-stack hotel booking platform using the MERN stack.
- Implemented secure user authentication with encrypted passwords and JSON WebTokens (JWT) for session management.

Publications

AI-Powered Drowsiness Detection using LLM

- Journal of Technology, Volume-13-issue-6-2025, Page No: 954-958
- ISSN: 10123407, DOI: 18.15001/JOT.2025/V13I6.25.1666

Sentimental Analysis: A Comparative Study over Different Social Media Platforms

- PICT's International Journal of Engineering and Technology , Vol 2 Issue 2 PIJET 09 (Upcoming)