

Sarang Pawar

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EDUCATION

Bachelors of Engineering in Computer Engineering

Dr. D. Y. Patil Institute of Technology, Pune, IN

Nov. 2022 – May 2025

Diploma in Mechanical Engineering

Government Polytechnic, Ahmednagar, IN

Aug. 2019 – May 2022

EXPERIENCE

Web Developer Intern

Dec 2023 – Jan2024

RB Tech Services

- Collaborated with the development team to build and maintain front-end components using HTML5, CSS3, JavaScript, and Bootstrap.
- Developed responsive and cross-browser-compatible UI designs to ensure seamless user experience across devices.
- Utilized Chrome DevTools and browser debugging tools to identify and resolve layout and performance issues.
- Worked on client websites, implementing feature enhancements and ensuring alignment with functional requirements and deadlines.

PROJECTS

Deepfake Video Detection

June 2024 – May 2025

- Built an end-to-end deepfake detection pipeline using Swin Transformer for spatial feature extraction and LSTM for temporal sequence classification.
- Processed 2GB+ video dataset with frame extraction and face detection via MTCNN, and trained models on Google Colab using PyTorch.
- Designed modular scripts for data preprocessing, feature encoding, and evaluation, achieving high accuracy compared to baseline models.
- Co-authored a conference paper highlighting the hybrid model architecture and detection performance.

INSURANCE MANAGEMENT SYSTEM

Jan 2023 – Mar 2023

- Developed a full-stack web application with role-based login for Admin and Customer to manage insurance policies and user data.
- Designed responsive UI using HTML/CSS, Bootstrap, JavaScript, and implemented dynamic content rendering based on user roles.
- Built and connected MySQL database with PHP for secure data handling, including CRUD operations for policies and claims.

INSURANCE MANAGEMENT SYSTEM

Feb 2024 – May 2024

- Developed an automated face recognition-based attendance system to eliminate manual tracking in educational institutes.
- Utilized OpenCV for real-time face detection and recognition, reducing manual workload and enhancing efficiency in record-keeping.

TECHNICAL SKILLS

Languages: C++, Java, Python, SQL, PHP, JavaScript, HTML5/CSS

Developer Tools: Git, GitHub, Linux/Unix, Google Colab, VS Code, IntelliJ

Libraries: PyTorch, OpenCV, MTCNN, Swin Transformer, LSTM, NumPy, pandas, Matplotlib, Bootstrap