SURABHI VISHWASRAO

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About

Dedicated lifelong learner with a strong foundation in Java and problem-solving skills. Experienced in handling mathematical models and signal processing. Committed to creating effective, streamlined solutions.

Education

Sardar Patel Institute Of Technology, Mumbai   **2022 – 2026**
Bachelors of Technology in Electronics and telecommunication

Sardar Patel Institute Of Technology, Mumbai   **2022 – 2026**
Minors in Computer Engineering

PACE Junior College, Mumbai   **2020 – 2022**

Grade : 90.71%

Universal High School,Thane   **2010 – 2020**

Grade : 97.50%

Technical Skills

Languages/Database: Java, MySQL

Web Development: HTML, CSS, JavaScript

Projects

Speaker Diarization and Transcription System | Python

- *Developed a Python-based system for automatic transcription of multi-speaker audio recordings, targeting use cases such as meetings and interviews.*

- *Implemented speaker diarization using clustering algorithms and Speech-to-Text libraries, enabling accurate identification of speaker segments.*

Positions Of Responsibility

Teaching Assistant for Digital Signal Processing (DSP) :
- *Developed comprehensive, easy-to-understand notes on DSP theories and applications, providing students with a valuable study resource to reinforce key concepts.*

Mentor for school children at Abhyudaya :
- *Provided guidance and academic support to school children, fostering their personal and educational growth.*

Working with NGO
- *Collaborated with an NGO to support weekly clean-up drives, contributing to the removal of plastic waste and debris from Versova Beach.*

Research Publications

A detailed overview of brain machine and brain computer interfaces
- The paper provides a comprehensive overview of brain-computer and brain-machine interfaces (BCIs/BMIs), focusing on their working principles, signal acquisition methods (like EEG), and data processing techniques. Link : *https://www.ijisrt.com/a-detailed-overview-of-braincomputer-and-brainmachine-interfaces*