VAISHNAVI SHIMPI

+91 8806073031 ⋄ shimpivaishnavi23.com ⋄ [LinkedIn](#)

EDUCATION

Vishwakarma Institute of Technology, Pune   *2021 - 2025*
BTech-Information Technology   CGPA: 9.1

Sangameshwar College, Solapur   *2019 - 2021*
HSC   Percentage: 96.50

ACHIEVEMENTS & SKILLS

Achievements:

- **Winner - Smart India Hackathon 2023.**
  Problem Statement- Text To Video conversion for Press Information Bureau releases in English and 13 regional languages

- **Semi-finalist at All India Women Hackathon** sponsored by Persistent Foundation.

- **LeetCode Global rank - 1,70,479** [Profile Link](#)

Skills:

- Programming Languages: Java, Kotlin.

- Application Development: Android Studio, Figma.

- Web Development: HTML, CSS.

- Database: MySQL.

PROJECTS

SIMULATION OF MULTI-PROGRAMMING OPERATING SYSTEM.

- Phase 1 - Input Processing:
  Implemented input processing for program and control cards.
  Transformed raw data into a readable format stored in a file.

- Phase 2 - Error Handling and Optimization:
  Developed error-checking mechanisms for issues like incorrect inputs and paging faults.
  Meticulously refined the simulation model.
  Gained hands-on experience in troubleshooting and system optimization.

VIRTUAL TOUR BY AR GUIDE

- Created a website enabling online ticket purchases for major Pune monuments.

- Featured augmented reality (AR) for interactive navigation and informative pop-ups.

VOICE INITIATED SYSTEM HANDLING

- Engineered a voice-controlled robot for directional changes.

- Designed a speech recognition system using Python and ESP32 Wi-Fi module.

- Enabled users to direct the robotic car using natural speech commands with 99% accuracy.

PATENTS & PUBLICATIONS

PATENT, South African Patent   *2022*
Voice Initiated System Handling - A robotic car following voice commands. Application no- 2022/12338.

PUBLICATION, Scopus Indexed   *2022*
Virtual Tour by AR Guide - A Travel website with online booking and AR Guide for site navigation.
Link: https://doi.org/10.1063/5.0182618