Tanuja Suryawanshi

Solapur, Maharashtra, India

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SUMMARY

programmer with strong interest in web development, Python, and UI/UX design. Skilled in creating user-friendly applications, exploring new technologies, and applying creative problem-solving. Active in tech events with a commitment to continuous learning and growth.

SKILLS

- **Programming Languages**: Python, Java, JavaScript (ES6+)
- **Front-End Development**: HTML5, CSS3, React.js, Responsive Design
- **Design & Creative Tools**: Web Development, UI/UX Design, Figma, Canva, Graphics & Animation
- **Back-End Development**: Node.js, Flask, REST APIs, SQL, Firebase
- **Machine Learning Libraries**: NumPy, Pandas, Scikit-learn, Matplotlib, TensorFlow
- **Development Tools & Platforms**: VS Code, PyCharm, Google Colab, GitHub, Replit

PROJECTS

SignBot ⬈ | React.js, Python, OpenCV, ML, Flask, MediaPipe   **2025-Present**
- Developed an AI-powered web system using OpenCV, MediaPipe, and deep learning models.
- Converted sign language gestures into speech and vice versa through camera input.
- Enabled real-time communication between signers and non-signers.

Sign Language Learner App ⬈ | Flutter, TensorFlow Lite, MediaPipe, Firebase   **2025-Present**
- Created a sign language learning app with text, speech, and gesture recognition for beginners.
- Integrated quizzes, daily tasks, and progress tracking to enhance engagement.
- Added an AI chatbot for interactive practice and instant feedback.

Real Time Hand Gesture with Hardware ⬈ | Python, OpenCV, MediaPipe, ML, Arduino   **May-2025**
- Developed a camera-based gesture system for appliance control by immobile patients and sign lang users.

- Integrated sign-to-text, text-to-speech, and hand-to-speech for effective communication.
- Implemented eye-tracking for sleep monitoring and anomaly alerts.
- Added capsule intake tracking with caregiver notifications and health reports.

EDUCATION

N. B. Navale Sinhgad College of Engineering, Solapur   **2022 – 2026**
B.Tech in Electronics and Telecommunication Engineering **CGPA: 9.22**

Sangameshwar, Solapur   **2022**
Higher Secondary Certificate (HSC)

Shri D J Gurukul High School, Solapur   **2020**
Secondary School Certificate (SSC) **Percentage: 90.20%**

CERTIFICATIONS

- Python Development - Udemy (2025) ⬈
- Full Stack Web Development - PrepInsta (2025) ⬈
- Java Programming – NPTEL (2024) ⬈
- Artificial Intelligence – Infosys Springboard (2024) ⬈

ACHIEVEMENTS

- Winner Code Quest 2025 - N.K. Orchid College, Solapur ⬈
- Winner Prayog 2K25 (Project Competition), NB Navale Sinhgad College, Solapur ⬈
- Winner Quiz Competition 2024, NB Navale Sinhgad College, Solapur ⬈

EXTRACURRICULAR

- **Network Lead** – Google Developer Groups (GDG), NBNSCOE (2024–25)

- **Technical Coordinator** – ETOS Committee, ENTC Dept., NBNSCOE (2024–25)