

# TANUJA SURYAWANSHI

Solapur, Maharashtra, India

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## SUMMARY

Passionate programmer with knowledge of Python and Web Development and a growing understanding of UI/UX principles. Interested in building intuitive, user-friendly applications and applying creative problem-solving to real-world challenges. Recognized through hackathons, technical competitions and leadership opportunities with a continuous drive for learning and innovation.

## SKILLS

- **Programming Languages:** Python, JavaScript, Java
- **Front-End Development:** HTML5, CSS3, Tailwind CSS, Bootstrap, React.js, Responsive Design
- **Back-End Development:** Node.js, Express.js, TypeScript, Django, Django REST Framework, REST APIs
- **Database:** PostgreSQL, SQL, MYSQL, MongoDB, Firebase
- **Core Concepts:** OOPs, Data Structures, Problem Solving, Full Stack Development
- **Development Tools & Platforms:** VS Code, Git, GitHub, Postman, PyCharm
- **Design Tools:** UI/UX Design, Figma, Canva

## INTERNSHIP

**Quantium** | Software Engineering Virtual Intern (Forage) 2025  
– Built an interactive profitability dashboard using Python and CSS for retail analytics.  
– Analyzed product performance data using Pandas and NumPy libraries.  
– Implemented automated testing and shell scripting for deployment workflows.

## PROJECTS

**SignBot** – [GitHub](#) | React.js, Node.js, Express.js, MongoDB, Python, OpenCV 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** – [GitHub](#) | React.js, TensorFlow, MediaPipe, Node.js 2025–JUN  
– Created a mobile 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** – [GitHub](#) | Python, OpenCV, MediaPipe, ML, SQL 2024–MAY  
– Developed a camera-based gesture system for appliance control by immobile patients.  
– Integrated sign-to-text, text-to-speech, and hand-to-speech for effective communication.  
– Implemented eye-tracking for sleep monitoring and anomaly alerts.

## EDUCATION

**N. B. Navale Sinhgad College of Engineering, Solapur** 2022 – 2026  
*B.Tech in Electronics and Telecommunication Engineering – CGPA: 9.45*

## CERTIFICATIONS

- Python Development – Udemy (2025) [\[Certificate\]](#)
- Full Stack Web Development – PrepInsta (2025) [\[Certificate\]](#)
- Java Programming – NPTEL (2024) [\[Certificate\]](#)

## ACHIEVEMENTS

- Code Quest 2025 Winner – N.K. Orchid College, Solapur [\[Certificate\]](#)
- Prayog 2K25 Project Competition Winner – NB Navale Sinhgad College [\[Certificate\]](#)
- Participated in 24-hour Hackathon 2025 – SKN Sinhgad College [\[Certificate\]](#)
- Network Lead – GDG NBNSCOE (2024–25) [\[Certificate\]](#)