

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

Quantum | 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 – PreInsta (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) [\[Certificate\]](#)