

## Tanay Shah

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Computer Engineering undergraduate with hands-on experience in full-stack web and Android application development. Skilled in Node.js, React, Kotlin, Java, and Android Studio, with experience building real-time, user-friendly applications. Strong ability to apply technical skills in practical solutions and collaborate effectively in development teams.

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## Skills

- ❖ **Programming Languages:** C, C++, Python, SQL
- ❖ **Frontend Development:** HTML, CSS, JavaScript, React, Bootstrap, Tailwind CSS
- ❖ **Backend & Databases:** Node.js, MongoDB, PostgreSQL, RESTful APIs, Postman
- ❖ **Mobile & App Development:** Java, Kotlin, Android Studio
- ❖ **Tools:** Git, GitHub, VS Code
- ❖ **Soft Skills:** Teamwork, Problem-Solving, Communication, Adaptability, Time Management

## Education

- ❖ **Mukesh Patel School of Technology and Management, Mumbai, India**  
Bachelor's Degree in Computer Engineering (Expected June 2027)
- ❖ **Jamnabai Narsee School, Mumbai, India- 92%, May 2020**

## Academic Projects and Papers

- ❖ **Chat App | MERN Stack**
  - Developed a real-time chat application with a separately functioning frontend (React) and backend (Node.js, Express, MongoDB).
  - Implemented user authentication and WebSocket-based live messaging features.
  - Currently integrating frontend and backend for seamless real-time communication.
- ❖ **Advanced Techniques in Hand Gesture Recognition for AR and HCI | Research Paper**
  - Explored vision-based hand gesture recognition for augmented reality interfaces to enhance immersive HCI experiences.
  - Utilized RGB and depth sensors for real-time gesture tracking with emphasis on accuracy and robustness.
  - Addressed challenges such as gesture ambiguity, viewpoint limitations, and system calibration.
  - Authored and published the paper in the *International Conference on Data, Engineering and Applications* in June 2024.

## Certifications

- ❖ **Full-Stack Web Development Bootcamp** – Angela Yu, Udemy
- ❖ **Android App Development using Kotlin & Java** – OAK Academy, Udemy

## Additional Experience

- ❖ **Katalyst Reputation Management | Social Media Manager** (May- July 2023)
  - Worked here as Social Media Manager and managed the social media handles (Instagram, Facebook and X) of prestigious Taj Brands (Taj Lake Palace, Taj Fateh Prakash Palace, Umaid Bhawan Palace, and Taj Aravali).
  - Completed a 3-month remote internship, gaining hands-on experience in digital brand management.