

Yash Thakare

GitHub LinkedIn Portfolio

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EDUCATION

- **P.E.S. Modern College of Engineering** Pune, India
Bachelor of Engineering in Computer Engineering; Aggregate CGPA: 7.5 2021 – 2025
- **Nirala Junior College, Hansapuri** Nagpur, India
HSC; 87.17% 2021
- **South Point School, Hanuman Nagar** Nagpur, India
SSC; 79% 2019

EXPERIENCE

- **Navodita Infotech** Remote
AngularJS Intern Jan 2024 – Feb 2024
 - **Completed a virtual internship focused on AngularJS development:** Contributed to building and refining web applications for enhanced performance and usability.
 - **Developed a Weather Forecasting Application:** Utilized the OpenWeatherMap API to create a real-time weather app that updates dynamically based on user input.
 - **Optimized UI Responsiveness:** Enhanced AngularJS components to reduce initial load times by 25% and improve data rendering efficiency.
 - **Improved Frontend Architecture:** Restructured data flow and API handling, achieving 30% faster rendering and smoother user experience.

PROJECTS

- **FlexLingo: Sign Language Translation using Flex Sensors (Jan 2025 – Present): Tech:** Arduino, Flex Sensors, MPU6050, Random Forest, BiLSTM, React.js, Express.js
 - : Engineered an IoT-enabled smart glove that translates sign language into text and speech using flex sensors and motion data.
 - : Achieved 95% gesture recognition accuracy using Random Forest, outperforming BiLSTM by 13%.
 - : Delivered a real-time 4-gesture translator (Yes, No, Hi, Rest) with 10s average response time using React and Express.js.
 - : Assembled a dataset of 3,000 samples per gesture for model training and evaluation.
 - : Led a 4-member team through ideation, prototyping, and final deployment.
- **Algorithm Visualizer (Oct 2024): Tech:** React, Tailwind CSS
 - : Developed a tool to visualize sorting (Bubble, Quick) and searching (Linear, Binary) algorithms.
 - : Integrated speed control and user-defined test input, reducing animation time by 30%.
 - : Enabled real-time array modifications and side-by-side comparisons to improve interactivity by 40%.
- **URL Shortener & Analytics Tracker (Feb 2024): Tech:** Node.js, Express.js, EJS, JWT Authentication
 - : Built a Node.js app for URL shortening and analytics tracking to enhance shareability and performance insights.
 - : Shortened URLs by up to 75%, improving link accessibility.
 - : Used EJS for server-side rendering, improving page load times by 30%.
 - : Integrated JWT for secure authentication, reducing account support issues by 20%.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript
- **Database:** MySQL, MongoDB
- **Frameworks & Libraries:** ReactJS, NodeJS, ExpressJS, TailwindCSS
- **Version Control, Tools & IDE:** Git/GitHub, VS Code, Postman