

Samruddhi Shinde

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EDUCATION

Vishwakarma Institute of Technology

Bachelor of Technology - B-Tech, Information Technology

CGPA: 9.04

Pune, Maharashtra

Graduation Date: Jun 2027

SKILLS

Programming Languages: Java, Python, C, JavaScript, PHP

Technologies: HTML, CSS, React.js, PHP, MySQL, Firebase, OpenCV

Core Competencies: Data Structures & Algorithms, Object-Oriented Programming, DBMS, Machine Learning, Git

PROJECTS

Eagle Securities Training & Assessment Platform (Sponsored Project)

- Developed a web and mobile application for trainer and learner management with role-based access control using React.js and MySQL.
- Implemented dynamic watermarking to protect training content from unauthorized sharing and distribution.
- Designed dashboards to track learner progress, assessments, course activities, and performance metrics.
- Built responsive interfaces using React.js, JavaScript, and Firebase, ensuring seamless access across web and mobile platforms.

Real-Time TKPH Monitoring & Predictive Maintenance System (Design Patent)

- Developed an IoT-based TKPH monitoring system using ESP32 and sensors.
- Automated real-time data collection and TKPH calculation using Firebase.
- Built a Streamlit dashboard for live monitoring and historical analysis.
- Applied Random Forest Regression and Classification models to predict tire wear, failure risk, remaining useful life, and maintenance requirements.

Real-Time Poaching Detection with Email Alerts

- Developed a real-time wildlife surveillance system using OpenCV for suspicious activity detection.
- Automated email alerts with captured evidence to notify authorities instantly.
- Achieved Top 5 position among 75 participating teams at the Navadhara State-Level Competition.

EXPERIENCE & LEADERSHIP

Web Development Coordinator – Computer Society of India (CSI), VIT Pune

Jun 2024 – Jun 2025

- Led the development and maintenance of interactive web applications for club activities and events.
- Guided a team of junior developers in designing and optimizing website features and performance.
- Conducted web development workshops and technical sessions to encourage student participation and skill development.

Hindi Section Head & Magazine Coordinator – Pi Editorial Board, VIT Pune

Jul 2024 - Jun 2025

- Headed Hindi content creation for college magazines, ensuring linguistic accuracy and cultural quality.
- Coordinated writers, editors, and designers to streamline content planning and publication activities.
- Received a Certificate of Appreciation for teamwork, creativity, and contribution to the editorial board.

ACHIEVEMENTS

- Top 5 – Navadhara State-Level Project & Poster Presentation Competition (out of 75 teams).
- Design Patent Filed for an IoT and ML-based TKPH monitoring and predictive maintenance solution.
- Certificate of Appreciation – Magazine Coordinator, Pi Editorial Board.

ADDITIONAL INFORMATION

Languages: English, Hindi, Marathi

Interests: Writing, Sports, Gaming, Web Design, Musical Instrument