

HARSHAL VANHERE

Musalgoan MIDC, Tal.- Sinnar, Dist.- Nashik, India

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OBJECTIVE

Enthusiastic Electronics and Computer Engineering graduate aiming to contribute to innovative software and system solutions by leveraging skills in programming, IoT, and automation within a dynamic tech environment.

EDUCATION

Sanjivani College of Engineering

B.Tech In Electronic and Computer Engineering

Kopergaon | 7.23 CGPA

Maratha Vidya Prasarak Samaj GMD Arts BW Commerce and Science College

Higher Secondary School Certificate

Sinnar | 71.83%

S. G. Public School, Sinnar

Secondary School Certificate

Sinnar | 83.40%

SKILLS

Soft Skills: Problem Solving, Time Management, Leadership, Critical Thinking, Creativity

Technical Skills: C, Python, JavaScript, HTML, CSS, Bash/Shell Scripting, SCADA

IoT & Embedded Systems: Arduino, Raspberry Pi, NodeMCU, ESP32, Sensors, Actuators, BLE, Wi-Fi Modules, IoT, IIoT, HMI

Graphic Design & UI/UX: Adobe Photoshop, Figma, Adobe XD, Illustrator, Canva, UI/UX Prototyping, Branding Design

Developer Tools: Git, GitHub, Visual Studio Code, Cursor, Arduino IDE, MS Office Suite

PROJECTS

CampusCast – Smart Display Network System

- Designed a centralized platform to manage LED displays and TVs across campus from a single dashboard
- Replaced manual USB updates with a network-based content distribution system
- Enabled scheduling of multimedia content, including images, videos, and live notices
- Implemented a presentation mode to automatically cycle notices every 5 seconds

TechLab – Smart Lab Automation

- Automated control and monitoring of lab equipment using Arduino and NodeMCU
- Developed an interactive UI for users using HTML, CSS, and Adobe XD
- Streamlined equipment access and improved lab safety via remote controls

Rajomukti – Smart Sanitary Pad Vending Machine

- Created a socially impactful vending solution titled “Rajomukti” with UPI-based digital payments
- Programmed custom microcontroller logic for dispensing and sensor-driven user flow
- Designed a touchscreen-based UI with HTML, CSS, and JavaScript for user interaction

InfoGlow – Scrolling LED Display for FC Center

- Developed a WiFi-controlled scrolling LED display for real-time announcements
- Used Arduino-based microcontroller for text display and wireless content updates
- Ensured real-time performance and integration with institutional announcements

Boardly – IoT-Enabled Digital Notice System

- Built a responsive digital notice board using Raspberry Pi and web technologies
- Developed frontend using HTML, CSS, and JavaScript for live data updates
- Enabled centralized control and real-time info display on campus

PUBLICATIONS

Techlab: Revolutionizing Lighting Automation Through IoT and Node MCU 📅 December 2024

- Conducted in-depth research on integrating IoT with lighting automation, exploring the use of Node MCU in smart systems.
- Developed a prototype that improves efficiency in lighting control systems using real-time data analytics.
- Published on Springer, contributing to advancements in IoT-driven automation systems.

EXPERIENCE

Digital Content Creator, Sanjivani Group of Institutes

March, 2023 – May 2024

- Designed the official logo for Sanjivani University, reflecting the institution's vision and values
- Created and delivered over 500 unique designs including promotional materials, digital banners, and social media content
- Utilized tools such as Adobe Photoshop, Illustrator, and Adobe XD to produce high quality digital content
- Developed a digital content strategy that enhanced the university's online presence and engagement

Intern – Alumni Relations, Student Alumni Relation Cell, SCOE

August 2022 – May 2024

- Served as the Digital Content Creation, Digital Marketing, and Technical Head.
- Created all digital content for the SMARAN alumni meet function, including flex banners and promotional materials.
- Handled all technical aspects during the alumni meet, ensuring smooth operations and successful event execution.
- Utilized digital marketing strategies to promote alumni events and increase engagement.

EXTRACURRICULAR

- Founder, Team Charlie, Department of Electronics and Computer Engineering
- Incharge, Technical Team, Student Activity Council 2023
- Incharge, Photography Team, Student Activity Council 2022

CERTIFICATIONS

- Journey to Cloud: Envisioning Your Solution, IBM
- Getting Started with Enterprise Data Science, IBM
- Get Started with Figma, Coursera
- Project Management, NPTEL
- Organizational Behaviour, NPTEL
- E-Business, NPTEL

Languages

- English – Full Professional Proficiency
- Hindi – Native Speaker
- Marathi – Native Speaker
- Japanese – Currently pursuing JLPT N4 level (Basic reading, writing, and conversation)

DECLARATION

I hereby declare that all the details mentioned above are in accordance with the truth and fact as per my knowledge, and I hold the responsibility for the correctness of the above-mentioned particulars.

Place:

Date:

Signature: