

# NAYAN RAUT

Wardha, Maharashtra, India

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🐙 <https://github.com/nayanraut1412>

## Education

**Bachelor of Technology in Computer Engineering** **2021 - Present**  
*Bajaj Institute of Technology, Wardha, Maharashtra* *CGPA: 7.20*

**Higher Secondary School Certificate (HSC)** **2019 - 2021**  
*New English Junior College, Wardha. (Maharashtra State Board)* *86.17 %*

## Technical Skills

**Programming Languages** : Java, C, Python, HTML/CSS, JavaScript, PHP  
**Frameworks/Libraries** : React.js, Node.js, Express.js, Tailwind CSS, Bootstrap, Flutter, lottiefiles  
**Tools/Database/Platform**: Git, Github, Firebase, MySQL, MongoDB, VS Code, Arduino  
**Graphics Designing/UI** : Figma, Canva

## Projects

**Margdarshak** | 🐙 [Github](#) | 🔗 [Website Link](#) Aug 2024 - Present

- Developing **Margdarshak**, a mentorship platform, enabling efficient slot-based scheduling and coordination between over **50+** mentors and mentees.
- Implemented mentor availability and booking features with **real-time** slot management; mentors can review and accept requests based on availability. Deployed the project on Vercel, optimizing response times by **30%**
- Technologies used: **React.js, Node.js, Express.js, MongoDB Atlas, Tailwind CSS**

**SustainX** | 🐙 [Github](#) | 🎨 [Figma](#) Jan 2024 - May 2024

- Developed **SustainX** an app-based platform that optimizes trash collection process for both customers and collectors.
- Made use of **ML algorithm- ResNet 152** to train model for trash segregation and classification further increasing **accuracy by 92%** and Project selected for **Google Solution Challenge's Regional Bootcamp..**
- Technologies used: **Flutter, React, Firebase, Cloud Firestore, Google Maps API, Python, ResNet-152** and **Razorpay Pay API** and Utilized **Figma** to craft an aesthetically pleasing **user interface** for the application.

**Band-O-bast** | 🐙 [Github](#) Nov 2023 - Dec 2023

- Developed an **IoT**-based solution for the **Grand Finale** of the **Smart India Hackathon 2023**.
- Developed a wearable device using ESP8266, MAX30100 Pulse Oximeter, LoRa SX1278, and GPS Neo6M to **monitor** and track over **100** deployed police personnel during Bandobast events.
- Programmed hardware with **Arduino IDE** for real-time geo-location updates every 5 seconds to **Firebase**, ensuring precise tracking.

**Agricultural Equipment's Rental System** | 🐙 [Github](#) Aug 2023 - Nov 2023

- Developed a solution to improve equipment accessibility for over **200 farmers**, transforming the rental process.
- Owners can add, update, and view equipment details, while an admin dashboard manages **300+** customer records and transactions, leading to a **40%** increase in owner sign-ups and improved operational efficiency.
- Technologies used: **HTML, CSS, Bootstrap, PHP, MySQL, Razorpay Pay API** and **SMTP** for sending invoice.

## Achievements

- Grand Finalist** of **National Smart India Hackthon 2023** organised by **Ministry of Education** and **AICTE**. 🏆
- Secured a **3rd prize** in the **Zonal Level Avishkar-2024 Competition** held at Rajiv Gandhi College of Engineering Research and Technology (RCERT) Chandrapur. 🏆

## Positions of Responsibility

**Google Developer Student Club BITW** Aug 2023 - Aug 2024

- As a Video Editor at GDSC BITW, collaborated with a team of 5+ members to produce over 15 high-quality videos, utilizing advanced editing techniques that increased engagement with club initiatives by 30%.

**Netwon School Coding Club BITW** Jun 2022 - Jul 2023

- Created over 10 detailed project documents and event summaries for NSCC BITW, contributing to a 40% increase in community engagement and helping drive membership growth by 25% through compelling content and well-organized materials.