

NAKUL TIWARI

+919309708886|nakultiwari93@gmail.com|Aurangabad,Maharashtra,India

[LinkedIn](#) | [GitHub](#) | [Website](#)

EDUCATION

Bachelor of Engineering, Electronics and Telecommunication engineering 2021–2024

- Sandip Institute of Technology and Research Centre, Nashik CGPA: 7.7/10(GPA: 2.1/5)
(Affiliated to Savitribai Phule Pune University)

Diploma in Electronics and Telecommunication 2017-2021

- Government Polytechnic Aurangabad: **77.6%**
(Affiliated by All India Council for Technical Education)

Secondary School (Matriculation / ClassX) 2016-2017

- St. Lawrence High School , Aurangabad , India–Percentage:**80%**

RELEVANTCOURSEWORK

- Data structures
- Microcontrollers
- Cloud Computing
- EMFT
- Network Security
- Signal & Systems
- Calculus
- Linear Algebra

WORK EXPERIENCE

Intern at Technical Studios, Aurangabad ,India JAN 2022 - APR 2022

- Developed a product prototype called the "Smart Insulin Refrigerator."
- Performed Various analysis and researches on various PCB and circuits
- Learned PCB designing
- Published my first paper named "SMART INSULIN REFRIGERATOR".
- Helped building various "Sanitizer Dispenser" during the Covid-19 and implemented it in various government institutes in Aurangabad, Maharashtra , India
- Implemented various IOT projects and learned about different controllers available in electronics industries.
- Learned about various python libraries like numpy, pandas , audiopy etc.

Intern at Flylab Solutions, Nashik ,India APR 2022 - APR 2023

- Performed analysis and development on the Battery used in various drones available.
- Learned the fundamentals of a startup and work culture
- Analyzed various different UAV's and performed various technical tasks
- Helped organizing a farmer's summit for agricultural drones and helped farmers to understand the importance of agricultural drones.
- Analyzed different data's of the agricultural field using drones

Participant/Intern at ABB India, Nashik , India Jul 2023 – Oct 2023

- Only two participant from my college were selected among which I was one of the candidate for ABB's collaboration with universities
- Developed a project named Digitization of Punch Point Reports using Microsoft PowerApps
- Able to closely see how panels, switchgears, actuators and different Automotive solutions

PROJECTS

Smart Insulin Refrigerator

- Insulin Refrigerator in 1/10th cost of actual refrigerator.
- Featured in various news articles and news channels
- Helped in winning "IDEASPARK-2023"
- Project implemented to help type1 Diabetic patients who can't afford refrigerator.

Biometric Based Smart ATM

- ATM with various features like voice recognition bot and biometric sensor
- Various security feature enhancements which make sure thief is caught inside the atm.
- Project implemented to stop various scams like skimming, Trapping and stolen card.

LedBoard For E&TC Department SITRC

- Developed a led board using IOT where you can customized messages on the board by using mobile device
- Board is still in use at E&TC department of SITRC, Nashik, India.
- Implemented for students to get notified for the different notices given by the department

DigitizationOfPunchPointReports

- Converted the testing done by the testing engineers on paper into a digitized app using Microsoft PowerApps
- The data can be analyzed on power BI and excel sheets
- Implemented for testing engineers as paperwork maintenance was too shabby and difficult to maintain

RESEARCH PUBLICATION

- BIOMETRIC BASED SMART ATM
- SMART INSULIN REFRIGERATOR

SKILLS

- **PCB Designing | Embedded Systems| Product Development | Web Development | Blockchain**
- **Programming** :C/C++ (basics), HTML, CSS, Javascript, Arduino IDE, embedded C, Solidity , Python(basic)
- **Frameworks**: React, Angular ,Forge(Blockchains), Numpy, Pandas
- **Languages**: English, Hindi, Marathi, Marwadi