

AMRUTA PATIL

Pune, Maharashtra, India

 [Gmail](#)

 [LinkedIn](#)  [Github](#)

 [Codeforces](#)

EDUCATION

Army Institute of Technology

BE(Electronics and Telecommunication) - Second Year CGPA - 8.91

2020 – 2024

Pune, India

Sant Tukaram National Model School

CBSE SSC Examination - Percentage - 80.98%

2019 – 2020

Latur, India

WORK EXPERIENCE

CopperCloud IOTech Pvt Ltd 

July 2022 – Present

Intern

Pune, India

- **Project: Industry4.0-RFID Tracking** :Task- Analyze, modify and mask the waveform of an industry-grade UHF RFID scanner to read RFID tags in a defined area of the industry floor, and send tag details to the cloud. Create a database to collect the data. Design a dashboard for the users.

Research and Development Cell, AIT 

Present

Secretary

Pune, India

- Organized industrial visit and guest lectures. Introduced juniors to Competitive Programming. Conducted research paper writing and publishing workshop for students.

SKILLS

- | | | | |
|--------------------------------|-------------------------------------|---------------------------------------|---------------------------|
| • Data Structures & Algorithms | • Operating Systems(Windows, Linux) | • Database Management System (DBMS) | • Artificial Intelligence |
| • Competitive Programming | • Internet of Things | • Object Oriented Programming Concept | • Web Development |

PROJECTS

Job Search API | Node.js, Express.js, API, JS, HTML, CSS

2021-2022

- Users can register, login and search for jobs. Avoids mongoose errors and is equipped with security.

Voice Assistant | Python, Modules, pyttsx3 library, speech recognition library,etc.

2020

- Console application which carries out user's daily routine commands.

Project Simran | Arduino IDE, MySQL, Raspberry Pi OS

2022

- Implementation of IOT based automated smart system which can control, monitor, and access lab with permitted security. **Worked with Node-Red, MQTT, Kodular, PHP, Grafana.**

Smart Irrigation System | Arduino IDE, Node-Red, MQTT, Cloud

2021-2022

- This is a IOT based project that automates irrigation of farms by monitoring moisture, humidity related conditions of soil. It can be controlled by user's mobile. **Worked with Node-MCU, Relay, DHT, Soil-Moisturizing Sensor.**

TECHNICAL SKILLS

Languages: C++, Python, Java, JavaScript, SQL, HTML, CSS

Technologies/Frameworks: Linux, GitHub, ReactJS, NodeJS, ExpressJS

CERTIFICATIONS

- Blockchain & its Applications- NPTEL
- Cloud Computing-NPTEL
- Internet of Things-NPTEL