





# ISHU CHOUBEY



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-  <https://ishu-choubey.github.io/Portfolio.io/>

## EDUCATION:



### **Vellore Institute of Technology (V.I.T. University)**

**Vellore, Tamil Nadu, India**

(2020-2024)

- Candidate for B. Tech in Electronics and Communication
- Relevant Coursework: Applied Robotics, Integrated Circuits, DSA, Java, Python, C++, Microcontrollers(8051 and Arduino UNO R3), Signal Processing
- CGPA : 7.99/10



### **Army Public School (A.P.S)**

**Ballygunge, Kolkata, West Bengal, India**

(2015-2020)

- Intermediate - Physics, Chemistry and Mathematics With Computer Science (CBSE)
- Percentage: 92%

## Work Experience



### **LetsGrowMore**

Campus Ambassador

Work from Home

*November 2021 to December 2021*

- Worked as a connection between Our college and the Organization
- Got Letter of Recommendation for completion of work on time
- Mentioned of their page for efficient working



### **Hindi Literary Association**

Design Head

Vellore, India

*Started from January 2021*

- Served as Core Committee member from May 2021 to Jan 2022
- Co-ordinated, hosted and contributed to several successful events
- Designed Posters and Website
- Video Editor and Animation Creator

## Work Experience



### IEEE-SPS VIT

Core-Committee Member

Vellore, India

*Started from May 2021*

- Co-ordinated and contributed to several successful events
- Video Editor and Animation Creator
- Designed Poster And Website



### FEPSI VIT

Core-Committee Member

Vellore, India

*Started from May 2021*

- Co-ordinated, hosted and contributed to several successful events
- Video Editor and Animation Creator
- Poster Designing
- Conducted successful outreaches

## Relevant Skills



### TECHNICAL SKILLS:

Internet Of Things, Robotic Process Automation, Robotics, Digital Signal Processing, C/C++, Python, Data Structure Algorithms, HTML, CSS, JavaScript, Canva, Figma, Adobe Photoshop, Adobe Premiere Pro, Adobe Illustrator



### SOFT SKILLS:

Leadership, Event Management, Communication, Public Speaking, Time Management, Team Work, Human Resource Management



### LANGUAGES:

English (Professional Working Proficiency) , Hindi (Native or Bilingual Proficiency) , Bengali (Limited Working Proficiency) , French (Elementary Proficiency)

## Projects

### Weather Detecting Website:

This is a website which tells about the weather at any specific location

Project Link: <https://github.com/Ishu-Choubey/Weather-Detecting-Website>

## Projects

### **Automatic-Fire-detecting-and-extinguishing-bot:**

Project Link: <https://github.com/Ishu-Choubey/Automatic-Fire-detecting-and-extinguishing-bot>

Fire is one of five major elements on earth, during this period of advancement fires and accidents are common, detecting fire and extinguishing is a hazardous job for a fire extinguisher, it often risks the life of that person. Our motive is to build a LOW-COST robot which can detect fire automatically and then put it out on its own. This is a self-acting robot able to move on its own using motors if it detects any kind of fire using flame sensor and then it automatically put out fires using a water storage tank and pump onboard, everything is controlled by a microcontroller that is ARDUINO UNO R3, using data from three different flame sensors it moves in the direction of fire spot and follows the trail of fire detected afterwards.

### **Farm Manager 2.0 (FM 2.0):**

Project Link: <https://github.com/Ishu-Choubey/FM2>

The problems faced by Indian farmers inspired the idea of this project. It turns out that the grain fields are usually far from the farmer's home. Farmers have to travel long distances to reach their fields. Irrigation is an important part of agriculture. As you know, this has to be done every day, so farmers have to visit their fields every day to turn on the irrigation system and water their crops, regardless of the distance between them. Hmm. This daily trip to the grain fields has some drawbacks. It wastes time, money, and most of all energy. Irrigation may be omitted due to the carelessness of farmers. For this reason, I decided that traveling was not a viable option because I could do my work online. it's simple.

### **Smart-boiler-explosion-and-rectification-system:**

Project Link: <https://github.com/Ishu-Choubey/Smart-boiler-explosion-and-rectification-system>

Steam boilers are used in many industry sectors, such as the food industry, textile mill, paper factory, sugar mill, oil field, power plants and other industries. Boiler explosion is a very widespread problem that can be easily averted by just keeping a log of boiler data and understanding its behavioural trends in real time systems. Since these data are not accessible nor is properly recorded, every year lots of avoidable boiler explosions still occur. This project devises a strategy to solve this issue by tracking all the vital readings from a boiler and documenting it. Over a period of time, boiler operating logs help distinguish operating trends that can allow problems to be diagnosed, and boiler system maintenance to be scheduled, before an emergency shutdown is necessary. For instance, a steady rise in stack temperature, at the same boiler load, indicates dirty boiler firesides or waterside scale build-up. In either case, remedial action can be taken before it is necessary to shut the unit down for cleaning. This data will be collected by using an 8051 microcontroller and then accordingly a servo motor is rotated so that the right amount of substances are sent into the boiler.

## CERTIFICATES

- **Automation Anywhere Certified Essentials RPA professional**
- **Devspace Hackathon Winner: Best 50% Womens team**
- **Design Head of HLA(Board Member)**

## STRENGTH

- **Open Minded**
- **Adaptable**
- **Sedulous**