

# Safakat Rahman

Vill. - Sarangpur, P.O. – Pawnan, Dist. – Hooghly, State. – West Bengal, 712305

Mobile No.: +91 8016524939

Email : [safakat001@gmail.com](mailto:safakat001@gmail.com)

Linkedin: [www.linkedin.com/in/safakat001](https://www.linkedin.com/in/safakat001) GitHub: [www.github.com/safakat](https://www.github.com/safakat)

Portfolio URL: <https://safakat-rahman.com>

## CAREER OBJECTIVE

I am a college graduate working as a python developer for 3+ years. I would like to utilize my skills and experience as well as my passion to develop my carrier on software development. Moreover, I would like to work with other professionals to improve my skills which will allow me to gain further knowledge.

## Current Designation

Python Developer

## Organization

### **Indus Net Technologies**

4th Floor, SDF Building Saltlake Electronic Complex, Kolkata, West Bengal 700091

1<sup>st</sup> February - present

### **Vap Technology**

Unit NO. 1003 10th Floor Godrej Genesis Building Plot-X1, Block EP & GP, Sector V, Bidhannagar, West Bengal 700091

16<sup>th</sup> August 2021 - 31<sup>st</sup> January 2022

### **Vyoma Mechatronics Pvt. Ltd.**

45/1, BBD Road, Hindmotor, Hooghly, West Bengal 712 233

August 2020 – August 2021

### **Cessini Technologies Pvt. Ltd.**

25C, Elliot Road, Park St, Kolkata, West Bengal 700016

November 2019 - April 2020

### **Avits Solutions**

8/3, Prince Bakhtiar Shah Rd, Swiss Park, Tollygunge, Kolkata, West Bengal 700033

August 2018 - September 2019

## SKILLS

- Good exposure of **Python** Programming.
- Good exposure of Data Analysis using numpy,pandas, matplotlib, etc.
- Good exposure of software development using PySide2.
- Good exposure of software Front End development using QtDesigner.
- Good exposure of Three Tier Architecture.
- Web Site development and maintenance.
- Web Site hosting and maintenance.
- Implementation of OOPs Concepts.
- Experience in working with AWS.

### **Programming Language:**

1. Python

### **Database:**

1. Sqlite3, 2. MySQL, 3.PostgreSQL

### **Operating System:**

1. Linux (Debian Based), 2. Windows10

### **Languages:**

1. English (Speak, Read, Write)
2. Hindi (Speak)
3. Bengali (Speak, Read, Write)

## PROJECTS

### **1.Can Traceability System:**

**Technology used:** Python, Embedded C, Django, PySide2,AWS, Socket.

**Team size:** 15

**Software Images :** <https://safakat-rahman.com/portfolio>

**Synopsis:** The windows software communicate with 6 fix mounted qr code scanner, 1 co2 laser, 6 VFD(variable-frequency drive), AWS server. The job of that machine is making sure the milk can is properly authenticated and serialize.The Website use to track the production and delivery.

The main module are:

**Module1(Gripper Conveyor):** First 2 qr code scanner scan the code from can side.The windows software gets the code and add some more data from database .

**Module2(Marking Conveyor):** The generated data send to laser template for marking. Laser marks the template on top of the can.

**Module3(Verification Conveyor):** Third qr code scanner scan the marked data. If the can is not properly marked then its rejected.

**Module4(Verification Conveyor 2):** There are 2 qr code scanner . one is on top another one is under can. They scan the code and check both code are same or not.

**Module5(Report):** The websites shows this production report and delivery report to the company owner.

### **My Roles & Responsibilities:**

- Developing the desktop software.
- Developing the communication between every module and software.
- Sending and Receiving data from another computer where second part of software running which communicating with verification conveyor.
- Developing feature of controlling machine speed and make the the laser mark properly.
- Implement multiprocessing to distribute the process through multiple cores and run multiple threads inside those multiple process.

## **2.IPPT(Intelligent Pipe Profit Tracker):**

**URL :** <http://pipetrackerlive.com>

**Technologies used :** Python, Embedded C, MySQL, Java Script, JQuery, Excel Report, AWS, API.

**Team size :** 5

**Synopsis:** It's a website. It shows pipe production report. The server gets data from Micro-controller then process the data according to customer requirements.

The main module are:

**Module1(Send Data):** This module runs in the micro-controller. It collects weight from load cell, time, pipe details, from HMI and send the data to server.

**Module2(Show Report):** This module is a website. It shows the collected data from Micro-controller to user as per user requirements.

### **My Roles & Responsibilities:**

- Developing the web app using Django framework.
- Automatic MIS report generation on pipe production on daily, monthly, quarter, yearly basis.
- Developing new features according to different factory needs.
- Deploying the web app on AWS EC2 and maintaining.
- Developing and maintaining the communication between the server and microcontroller.
-

### **3.Vidyalu:**

**Technology used:** Python, Django,Django Rest Framework,JWT,Angular JS, Maria DB, Redis, AWS EC2,Web Socket, Zoom.

**Team size:** 4

#### **Synopsis:**

This is a educational web application. Here teacher and counsellor upload there course and session and student can buy that. The they will attend the class through zoom meeting.

The main modules are:

**Module 1(Teacher Area):**Teacher can upload their course, set the price of his course, can see his student list, Live chat with students, revenue, schedule class etc.

**Module 2(Counsellor Area):** Counsellor can upload their session, set the price of his session,can see his student list, Live chat with students, schedule class, revenue etc.

**Module 3(Student Area):** Student can buy teacher and counsellor course, live chat with them, attend their class.

**Module 4(Live Chat and Notification):** Student, Teacher , Counsellor can do live chat with good messaging features like user active/inactive, message seen/not seen, etc.

**Module 5(Schedule class and integration with zoom):** Teacher and Counsellor can schedule class that will automatically add to zoom meeting schedule and student get notification of that.

**Module 6(Admin area):** Admin can control of the actions of teacher, student and counsellor.

#### **My Roles & Responsibilities:**

- Developing back end of this web application with django rest framework.
- Developing rest api for teacher, student and counsellor and admin interaction.
- Implementing live chat, user active/inactive, message seen/not seen using django-channels(implementation of web socket) and redis.
- Implementing live notification using django-channels(implementation of web socket) and redis.
- Integrating zoom with this web application.

## EDUCATIONAL BACKGROUND

Degree Examination	Institute/University	Marks	Year
10 <sup>th</sup>	W.B.B.S.E.	70%	2011
12 <sup>th</sup>	W.B.C.H.S.E	50%	2014
B.Tech	M.A.K.A.U.T	7.61(DGPA)	2018

## TRAININGS ATTENDED

### **Programming with Python**

15th June, 2018 – 26th July, 2018

Internshala Trainings

## PERSONAL INFORMATION

Full Name: Safakat Rahman

Gender: Male

Date of Birth: 9<sup>th</sup> April, 1996

Marital Status: Single

Hobbies: Testing various linux distros, playing video games.