



RANAJOY BHATTACHARJEE

Results-driven, Dedicated and Aspiring Python full-stack developer seeking an Intermediate level opportunity to work in a reputed organization.




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SOCIAL MEDIA

 <http://linkedin.com/in/ranajoy-bhattacharjee-1b37b5150/>

 <http://github.com/ranajoy19>

 <http://youtube.com/channel/UC8LrrwWvXBVN-XLzfk5p4Eg>

EDUCATION

February 2016 - August 2020

Hooghly Enginnering & Technology College, Hooghly, Westbengal GPA: 7.69/10

Bachelor of Technology, Electrical Enginnering

EXPERIENCE

April 2022 - present

Techweirdo Consultancy Private Limited

Software Developer(Backend Python Developer)

Ontym (Financial Application)

- This is a **Multi-Tenant** architecture-base Application,using **Django Rest Framwork in Backend,React js in Frontend with MySql Database**.
- Taking care of all backend Functionalities like **Authentication, Authorization, Database Architecture Design,Access Management**.
- Dynamic Task Scheduling With **Django-celery-beat and Redis**.
- containerization using **docker**.

December 2021 - April 2022

Dynamics Monk Private Limited

Software Developer

ABHILASH(Real-time Oldage home Application)

- Working on frontend development using **HTML5,CSS3, BOOTSTRAP5,JAVASCRIPT**.
- Creating **CI/CD PIPELINE** in **AZURE DevOps**.
- Deploying apps on the Azure web platform(**Azure Web App**).

January 2020 - November 2021

Kirti Pressings Pvt. Ltd, Aurangabad

Research and Development Engineer

FULL-FLEDGED SCADA SYSTEM

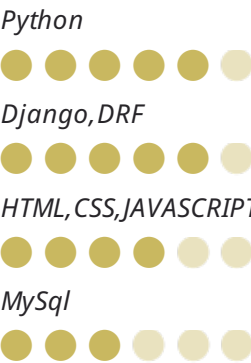
- System has a GUI Base App (.exe) Written in python using **Tkinter**.
- Back-End Work With **MODBUS TCP / IP** Protocol to Connect With a PLC.
- App Will Display Real-time Counter Values Extracted From the HMI of that PLC.
- GUI Features Like Connection Indication, Status Bar, Button to check the Present Counter Values, and An User Interface to Set desirable Time to Check the Values Automatically.
- Creating a **Sqlite database** to Store Counter Values with respect to Date and Time Every Time the User Interface Trigger from the App.
- At the end the System Contain a **Django** Web server Which has a Dynamic HTML (with some **CSS, Bootstrap**) home page to Show the Final Result from the SQLite database (server runs automatically on the start-up of the system computer).

EXPERIENCE

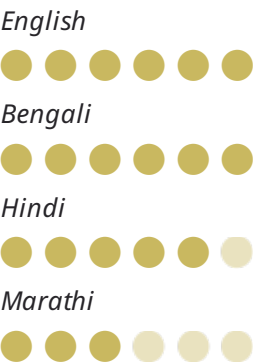
SMART PRODUCT INSPECTOR

- This project comprised an electronic circuit specially designed to work with **Raspberry pi** with No IR Camera.
- A Mechanical Cylinder with a Reed switch works together to understand whether the Product seated on the right side of the inspection.
- After completing the previous step successfully one picture will be taken for image processing and using some **Computer Vision** algorithms like Binary **Thresholding**, **morphological operation**, and **Edge detection** for measurement of the height and the width of the particular area of an object by computing the **Euclidean** distance between the midpoints.
- This Project is Developed in a python environment for the **inspection** of our Manufacturing product before going to the packaging, it will ensure no faulty product will be labeled as OK.

SOFTWARE SKILLS



LANGUAGES



SKILLS

TECHNOLOGIES

Python,Django,Javascript,HTML,CSS,Bootstrap,AWS(Amazon web services-RDS,S3 Bucket,AWS Identity and Access Management),MySql,PostgreSQL

Image Processing,OpenCV,Background Subtraction,Tensorflow(Machine Learning),Custom CNN Model,Data Preprocessing,Tkinter,Turtle,Django REST framework,Git,Heroku,Docker,Redis

HOBBY



Tech savvy



Youtuber



Travelling



Music