

AAYUSH SAINI

Senior Software engineer

PROFILE

Customer-focused software professional with superior communication skills and expertise in various technical platforms. Understands and meets both client and employer needs and develops highly functional, robust and easy-to-use applications.

CONTACT



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Saharanpur, Uttar Pradesh

Skills

Python, numpy, pandas, AI, Machine Learning, deep learning, selenium, Flask

Html, css, javascript, bootstrap, jquery

Php, Web service, Google maps api

EDUCATION

MIET MEERUT (AKTU)

B.tech (computer science)
2017 With 71.6%

EXPERIENCE (5 years)

Sai Computer Ltd.

June 2017-Till Date

5 Year Work Experience from Sai computer Ltd Meerut, Uttar Pradesh 250001

Working as python developer in sai computers Ltd . Sai computes Ltd. works for power sector services . I provided solutions to power sector Problems using data analysis and machine Learning with python.

2.5 Years experience as php developer . I developed web portal for power sector services using php,html,css,bootstrap.

PROJECTS

1. project Mri-analysis (DVVNL UP)

This is a analysis project in which we do electricity theft analysis using meter data.

- Worked on load survey data, current, voltage, power factor data analysis
- Clustering of data to find abnormality in same type of industry
- Analysis of Demand and consumption find demand is excess or not to detect theft
- Energy comparison of main vs pole data to detect theft.
- Prediction of Theft consumer using tamper, energy, load survey data on basis of past data and mark those consumers.
- pattern recognition of daily interval consumption graph .

Technology used - python,sql server , flask

2. project - Consumer Billing Analysis (Tripura)

This is a Consumer electricity billing project . Electricity bill of consumer is made by meter reader and other activities

Done like new connection, meter change ,disconnection ,payment etc.

- In This project we do demand forecasting to analyse what will be the load used by consumer
- We do Consumption prediction if predicted consumption and actual consumption has difference we mark those consumers.
- We calculate report of high consumption and low consumption used consumers
- We do payment prediction of billing ,area wise so that arrange collection team
- Detect meter from meter reading image to check meter image
- Develop some analysis report to increase billing efficiency

Technology used - python,sql server , flask

3. project - Billing UI Automation (jharkhand)

- In this project using selenium automation we automate some manual work to upload some information on web portals. we get data in excel format and then we automatically fill form using this data and Then submit data.
- Using this automation we automate our computer operator works to get accuracy and time management in project

Technology used - python,sql server , selenium , excel

4. project - Consumer network survey (Meghalaya)

- This is survey project in which we develop web portal to display electricity network on google map. To display information how consumer is connect from It line ->transformer->ht line->feeder->substation
- Prediction of consumer demand and consumption using survey data
- Prediction of demand and consumption area wise
- Prediction of theft possibility

Technology used - python,sql server,google maps,flask

5. project Mri-Reading web portal (PVVNL UP , DHBVN Haryana, UPCL Uttarakhand)

In this we develop a web portal for uploading meter data and display on web portal

- Meter reader upload xml files
- Xml files has different format according to meter data so create a dynamic table structure for mapping its keys of energy , current, tamper, voltage, pf etc.
- Develop exception feeding system
- Develop marking system of consumer
- Develop reading reports of consumer
- Develop pycharts and graphs for better visualization of data

Technology used - php ,sql server

6. project - Consumer Billing (Meghalaya)

- We generate consumer electricity bill using tariff calculation
- Payment gateway integration for getting payment from consumer
- Send consumer bill using emails, whatsapp, sms
- Get consumer request for activity like meter change , new connection

Technology used - php,sql server