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# Prashant Tiwari

NIT Raipur, Electronics & TeleCom (2015)

[tiwariprashant@outlook.com](mailto:tiwariprashant@outlook.com)

[linkedin.com/in/tiwari-prashant/](https://linkedin.com/in/tiwari-prashant/)

[github.com/prashantiwari](https://github.com/prashantiwari)

**5 years of Development experience in various fields, 2 years of experience in Data Science and Machine Learning.**

## SKILLS

### Languages

Python, Javascript, C++,  
Embedded C

Working knowledge of Java, SQL,  
R, C

### Machine Learning and AI

Neural Network, Computer Vision,  
NLP, PySpark etc.

### Web Frameworks

Django, Flask, FastAPI,  
ReactJS, VueJs

### Android Mobile Applications

### Embedded Systems and IoT

### Linux Distros and admin

## EXPERIENCE and PROJECTS (not exhaustive, only selected recents)

### Mustard Plant Disease Recognition(*Aarmon Tech*)

March 2021 - PRESENT

- Data of CAZRI research institute of mustard plant leafs from the field of rajasthan
- Used various transfer learning techniques from other datasets from different researches.

### Customer Behavioural Analysis(*Piviz Pvt Ltd*)

March 2020 - October 2021

- Used Nvidia jetson for image feeds to detect presence of customers in front of goods
- Customer activities were to be noted near given goods in a shop/stall etc

### AU bank clustering for customers(*Aarmon Tech*)

May 2019 - Dec 2019

- Based on form data(and other provided data) of loan customers, 3 clusters were to be made to be used for different priority levels by banks

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- Toughest task was to get the right features selected so as to make effective clusters, with feedback being only from the bank agencies if clustering was good or bad.

### **Device usage detection based on Meters on Single Power Supply (IIT Gandhinagar)**

March 2022 - September 2022

- Based on only the measures(current, voltage fluctuation) at main power supply, aim is to detect the devices/device currently being used
- Extensive collaborative work with electrical engineers of IITGN and our Team, we measured and used different features with classical machine learning models.
- Raspberry Pi and beagle bone was used as a platform for ML

### **Dashboard for Medical IoT(Piviz Pvt Ltd)**

November 2020 - April 2021

- Used Django for backend and VueJs for frontend
- We also used MQTT by native linux backing behind Django for communication if in case HTTP is rejected

### **Analysis of Survey data on John Henryism (IIT Gandhinagar)**

January 2021 - December 2021

### **Android Application for Rishikesh Music Festival**

March 2018

### **Android Application for Market Survey**

March 2019

## **Other Activities**

**2 times Guest Lecture at Google Developers Seminar in Jodhpur**

**3 times Trainer at Faculty Development program in RTUs colleges**

**Non-profit contribution at website of Shiuli Journal( Django, React, Deployment)**

## **EDUCATION**

**Nit Raipur, Raipur - 2011 - 2015**

MONTH 20XX - MONTH 20XX

**CBSE 12th and 10th**