

# Rakesh Kasarla

## Backend Developer(Python)

**Phone:** +91 9491357016

**Email:** [kasarlakesh98@gmail.com](mailto:kasarlakesh98@gmail.com)

### CAREER OBJECTIVE

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Seeking for a position that will enable me to have my strong technical skills in IT, people skills, being resourceful, innovative and flexible and thereby contribute to the continual growth of the organization and self.

### TECHNICAL SKILLS

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**Programming / Scripting** : Python, PL/SQL and Shell Scripting  
**Frameworks** : Django, Flask, Bootstrap  
**Databases** : MySQL, Oracle, SQLite, SQL Server  
**Web Technologies** : Html, CSS and javascript  
**Version Control** : Git & Github  
**Project Methodology** : Agile

### WORK EXPERIENCE

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#### Python Backend Developer

**May 2021 - Current**

Tata Consultancy Services Pvt Ltd  
Hyderabad, Telangana.

Having experience in developing various web applications as a backend developer by using Django since 2021.

**Project Name** : Surveillance project for Bank of America  
**Duration** : 3 years  
**Team Size** : 12  
**Role** : Backend developer (Python)

**Responsibilities** : Writing efficient, reusable, testable, and scalable code.  
Understanding, analyzing, and implementing Business needs, feature modification requests, conversion into software components.  
Enhancing the functionalities of current software systems.  
Designing and implementing – High availability and low latency apps, data protection and security features.

**Description** : Surveillance project for Bank of America. Where we used to build the models or enhance the existing models to run on the trading related data to identify the suspicious activities if any.  
By triggering developed models on the trading data, model will generate the alerts for suspicious traders or orders based on thresholds that's set.

## Machine Learning Intern

June2021-Aug2022

ineuron.ai

Bengaluru, Karnataka

- The main objective of this project is to predict the Credit Card defaulters based on their previous transaction's behaviors.
- Data set was taken from Kaggle and having more than 30000 records.
- Used different machine learning algorithms for training and finally random forest with hyperparameter tuning model gave highest accuracy with 83% and 80% of precision.
- I have also used k-means clustering algorithm to reduce the error.
- Deployed model as CI/CD pipeline by using Heroku with github actions.
- Code Link : [Click here](#)
- [Internship Experience Letter](#)

## PERSONAL PROJECTS

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### IPL First Innings Score Prediction

June2021

- The main objective of this project is to predict score of IPL team based on that team previous 5 overs in the same match.
- This is a regression problem so I have used Linear regression model for training with accuracy of 80%.
- I have used Linear regression algo for model training and flask for API and used Heroku for deployment.
- For more details, please visit my Github code repo: [Click Here](#)

### Diabetics Predication

May-2022

- The main objective of this project is to predict whether a woman having diabetes or not based on given some parameters.
- This is classification problem so I have trained my data with many machine learning algorithms finally Random Forest Classifier has given highest accuracy and recall value i.e., more than 80%.
- For more details, please visit my Github code repo: [Click Here](#)

## CERTIFICATIONS

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- Having Python certification [HackerRank](#)
- Did Machine Learning certification from [Udemy](#) & [ineuron](#)
- SQL and HTML basics certification from [geeksforgeeks](#).
- Python Django backend development certificate . [Click Here](#)

## EDUCATION DETAILS

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Tudi Ram Reddy Institute of Technology & Sciences(TRRIT) , Nalgonda

**Computer Science Engineering**

2016-2020

Sri Balaji Junior College , Hanamkonda

**MPC**

2014-2016

## PERSONAL DETAILS

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Name : Rakesh Kasarla  
DoB : 03-11-1997  
Marital Status : Single  
Address : Hyderabad  
Known Languages : English, Telugu and Hindi