

# PREM KUMAR

# PYTHON DJANGO DEVELOPER

## Contact

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## Skills

- Python
- Django
- Flask
- Mysql
- Html
- Css
- Java Script
- Bootstrap
- Django Rest Api
- Web Scraping
- Selenium
- Pandas
- Sql
- Django ORM
- Nginx
- Unicorn
- Celery
- Numpy
- PowerBI
- Advanced Excel
- Git
- Github
- DataModelling

## PROFILE

I have overall 4.5 years of experience in information technology field in developing web application using framework like python , Django and I will use Selenium ,Beautiful soup for web Scraping.

## Work Experience

Mahendra Next Wealth IT India pvt , Salem , Python Developer, 2023-present

I have 3 year of experience as a Python Developer with good knowledge in Webscraping using selenium also having knowledge of Python frameworks such as Django and Mysql. I have also worked with frontend tools like HTML, CSS, Bootstrap, JavaScript, and Ajax.

2019 -  
ADM Developers , Coimbatore ,TN , Programmer Analyst 2023

## Projects

### Python Selenium Web Scraping Automation Project:

Implemented a robust system utilizing Python, Selenium, and BeautifulSoup for web scraping to automate the extraction of relevant information from various sources. This system aims at streamlining the background verification process by efficiently gathering data from websites, storing it in a MySQL database, and providing access to the extracted data via API endpoints.

### Web Scraping with BeautifulSoup and Selenium

Developed scripts utilizing BeautifulSoup for parsing HTML/XML content. Utilized Selenium for automating web browser interactions, enabling seamless data extraction from dynamic websites.

### Database Storage in MySQL:

Designed and implemented a MySQL database schema to efficiently store scraped data.

Developed scripts to establish connections to the MySQL database and perform CRUD operations for storing and retrieving scraped data

### Data Cleaning and Validation

Implement data cleaning processes to handle inconsistencies and inaccuracies in the scraped data. Validate scraped data to ensure its reliability and consistency with the rest of the system.

## Education

### Bachelor of Engineering with 81 %

Government College of Eng ,  
krishnagiri

### Higher Secondary with 89 %

Bishop Ubagraswamy  
higher Secondary School

### 10 th Schooling with 92 %

Govt higher Secondary School

## API Endpoint Creation with Django Rest Framework:

Developed RESTful API endpoints using Django Rest Framework to provide access to the extracted data.  
Created endpoints for querying and retrieving background verification data based on different parameters, enhancing accessibility and usability of the system.  
Implemented authentication and authorization mechanisms using DRF's built-in features to control access to sensitive information.

## Scheduling and Automation

Schedule and automate web scraping tasks to run at specified intervals or in response to triggers. Implement error handling and logging for web scraping processes to ensure data integrity.

## API Deployment

By deploying the API using Nginx and Gunicorn, the background verification system achieves a robust and efficient infrastructure setup. Nginx serves as a high-performance reverse proxy, handling incoming requests and efficiently routing them to Gunicorn, which in turn serves the Python web application. This deployment setup ensures reliable and secure operation of the API while providing scalability and performance optimization capabilities.

## RegProduct

Everything is consider as a product and all the product will have insurance, warranty, and AMC .The user can directly purchase the product from the companies or from the vendor. If the user get a product directly from the companies, then can create a id for the user .also then can track the product service and insurance everything it automatically calculate the resale value of the product .Vendor can also use this to create a id .for tracking the product .The module we have used in this insurance provider, user, companies .AMC is package that will include the service and also the warranty. The feature we added in this will generate a notification in case our warranty is going to over. This application is connected the vendor it used to calculate the product value based the service and the conditions. Here we are storing all the record the user can't modify the records.

## Languages

Tamil  
English  
Telugu

## Roles & Responsibilities

Writing and maintaining clean efficient reusable code based on specifications.

Integrating software components with third party programs.

Troubleshoot ,debug,upgrade existing software.

Participating in code reviews to ensure the quality and maintaing the codebase.

Creating technical documentaion for future reference.