

Rahul Sharma

Python Developer

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Objective

To secure a position as a Python Developer where I can utilize my skills in software development and contribute to innovative projects while continuously learning and growing in a dynamic environment.

Skills

Programming Skills

Python 3.x, Object Oriented Programming (OOP)

Web Development

Django, Flask, HTML/CSS

Databases

SQL(MySQL)

Python Libraries/modules

Selenium, Regex, BeautifulSoup, Numpy, Pandas

Other Skills

Git, GitHub

Additional Skills

- Excellent problem-solving and analytical abilities
- Strong communication and teamwork skills
- Quick learner with a passion for technology and coding

Projects

Mini Blog Application

Developed a mini blogging platform to allow users to create, edit, and delete posts with an easy-to-navigate interface. Integrated user authentication, enabling users to sign up, log in, and manage their own posts. This project provided hands-on experience with Django's ORM, form handling, and template rendering. Built a clean, responsive design using Bootstrap for an improved user experience.

E-commerce Website

Created an e-commerce web application with functionalities for product management, user registration/login, and shopping cart handling. Implemented a secure backend using Django, with MySQL as the database for efficient data management. Integrated Bootstrap to develop a responsive UI, enhancing the overall shopping experience. This intermediate-level project was built to strengthen skills in full-stack web development.

Billing Software (In Progress)

Currently developing a billing software application to automate invoice generation, calculate totals, and manage client data. The software will support user authentication, and will feature a streamlined UI for efficient data entry and bill generation. The project aims to offer a simple and effective tool for managing invoices and records, focusing on enhancing Django skills and backend data handling.

Sentiment Analysis Application with Flask

- Developed a web application using Flask, integrating the ParallelDots API for advanced NLP functionalities like sentiment analysis and named entity recognition.
- Designed a seamless user interface where users can input text and get real-time named entity recognition analysis powered by the ParallelDots API.
- Handled API requests and responses, ensuring efficient integration with the Flask framework.

URL - <https://github.com/nickrahul/Flask/tree/main/Flask%20Project> ↗

Web Crawling Automation Project

- Developed a Python-based web crawler using libraries such as BeautifulSoup and Regex to scrape data from multiple websites.
- Implemented data extraction for various websites, handling HTML structures, pagination, and dynamic content.
- Stored extracted data in databases like MySQL and DataFrame.
- Optimized the crawler for efficiency by managing request throttling and avoiding IP bans.

URL - <https://github.com/nickrahul/Crawling> ↗

Education

Global Polytechnic College

Amritsar, India

Diploma in Mechanical Engineering.

Languages

English, Hindi, Punjabi