Keval Sing Saud

Location: Mumbai, MH, IN

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JR. SOFTWARE DEVELOPER

I am a highly skilled web developer with over **1+ years of experience** in **HTML, CSS, Python**. I have knowledge of popular frameworks such as **Django and Flask** and experience with REST APIs and MVC frameworks.

TECHNICAL SKILLS

Languages	:	Python, JavaScript, Java, SQL, HTML, CSS
Frameworks	:	Django, Flask, Streamlit,
Libraries	:	Requests, Selenium, Pandas, Folium, OCR, matplotlib, bs4
Databases	:	MongoDB, MySQL, PostgreSQL
Dev Tools	:	Kaggle, Visual Studio Code, Git, Git-lab, PyCharm, Visual Studio, Net beans, Anaconda
CS	:	Algorithms, DBMS, Programming, Software Testing, Software Development, ML, Data Structures
Skills	:	Problem Solving · Leadership · Data Science · Programming Languages · Matplotlib · SciPy · Databases · Communication · Scrapper · Automation · Data Analysis · Web Scraping · Web Services API · SQL · Data Management · Python (Programming Language)

EXPERIENCE

Jr. Software Developer   May 2022 – Present
PropsAMC By SquareYards   *On-site – Mumbai, MH, IN*

Full-Scale Project and Automation Software Development:

- Spearheaded the design and development of dynamic, responsive websites, leveraging HTML, CSS, Python, and Django.
- Developed and delivered a comprehensive **Automated Web Scraping Application** using Python web frameworks like **Django** and **Flask**.
- Played a key role in scraping and structuring Real Estate data for SquareYards, one of the largest Real Estate Tech companies.
- Employed the proven **MVC (Model-View-Controller)** architecture to seamlessly retrieve and display data from databases.
- Implemented optimization techniques resulting in an impressive **65% performance and speed improvement**
- **Key Highlights:**
- Successfully delivered a full-scale Automated Web Scraping Application, revolutionizing data acquisition processes.
- Leveraged industry-leading Python libraries and frameworks, such as **Selenium**, **Requests**, and **BeautifulSoup**, to ensure efficient and accurate web scraping
- Demonstrated expertise in handling complex tasks, including **HTTP requests, HTML parsing, cookies/session management**, captcha solving, prompt inputs, and file management.
- Facilitated seamless data processing by generating Excel sheets and enabling hassle-free file downloads.
- Contributed significantly to SquareYards, a prominent Real Estate Tech company, by effectively scraping and structuring Real Estate data from multiple states.
- Proficiently utilized a comprehensive stack of technologies, including Django, Flask, EasyOCR, CV, Pandas, Numpy, Pillow, BeautifulSoup, software testing, Selenium, HTTP requests, data structures, GitHub, and Git version control

GIS Trainee (Python)   May 2022
PropsAMC By SquareYards   *On-site – Mumbai, MH, IN*

- As a Trainee I have a strong track record of working with large volumes of data through HTTP requests. My worked lies in data manipulation, research, and development of applications tailored for handling substantial amounts of data
- Troubleshot and **fixed bugs** and issues in the Software to ensure **smooth operation** of the applications

EDUCATION

University of Mumbai   Mumbai, MH, IN
Bachelor of Science in Computer Science   *Jan 2018 – March 2021*

MAJOR PROJECTS

Automation Scrapping Software and DBMS Application   *Django, Python, MongoDB*

- Developed a robust and efficient web application using Django framework for automation scrapping and database management.

- Utilized MongoDB as the backend database for storing and managing large volumes of scrapped data.

- Designed the application following the MVC (Model-View-Controller) architectural pattern for structured code organization and scalability.

- Created automated scrapping workflows for data collection and management.

- Implemented celery for **task scheduling and distributed task execution**, improving performance and scalability of the application.

- Integrated various web scraping techniques, including data extraction, parsing, and storage.

- Played a key role in helping the company streamline its data collection and management processes, resulting in a **60% reduction in manual effort**.

- This project demonstrated my expertise in Django, Django Celery, and MongoDB, showcasing my ability to develop scalable web applications and automate complex tasks. It highlights my proficiency in web scraping techniques, database management, and MVC architecture. Through this project, I made a significant impact on reducing manual effort and improving efficiency for the company's data management processes.

Heart Disease Predction System   *Python, Flask, MySQL, Apache server, Logistic Regression*   Source Code

- Developed a web-based Heart Disease Prediction System using Python and Flask framework. **HTML, CSS, and python**

- Integrated MySQL database for storing user data, medical records, and prediction results.

- Deployed the application on an Apache server for efficient hosting and scalability.

- Implemented user roles: admin, doctor, and patient, each with specific functionalities and access levels.

- Created an admin dashboard for managing users, data, and system settings.

- Utilized logistic regression with Random Forest algorithm to predict the likelihood of heart disease.

- Achieved an impressive **accuracy rate of 97%** for heart disease prediction.

- Implemented real-time data feeding to allow users to input up-to-date information for predictions

- Ensured secure session management for seamless user experience and data privacy.

- This project demonstrated my proficiency in Python, Flask, MySQL, and Apache server, along with my expertise in machine learning algorithms. It showcased my ability to design and develop a functional and user-friendly web application for medical prediction. Through this project, I gained experience in full-stack development, database integration, and deploying applications on a web server.

- Deployed on GitHub pages via GitHub Actions

MINOR PROJECTS

Analytical Dashboard   *Python, Django, Pivot*   Source Code

- Simple data analytics dashboard developed using Python and Django, along with the integration of PivotTable.js library. The dashboard provides interactive data visualization and analysis capabilities, allowing users to explore and gain insights from their data.

- Deployed on GitHub pages via GitHub Actions

Name-Entity-Recognition-NLP   *Python, ML, matplotlib*   Source Code

- This project uses BI-LSTM to perform Named Entity Recognition (NER) on text data. NER is a subtask of information extraction that seeks to locate and classify named entities in text into predefined categories, such as person names, organizations, locations, medical codes, etc.

- Deployed on GitHub pages via GitHub Actions

Steganography Web App   *Python, Cryptography*   Source Code

- This project uses Steganography, it is the technique of hiding secret data within an ordinary, non-secret, file or message in order to avoid detection; the secret data is then extracted at its destination. The use of steganography can be combined with encryption as an extra step for hiding or protecting data. The word steganography is derived from the Greek words steganos (meaning hidden or covered) and the Greek root graph (meaning to write).
- Deployed on GitHub pages via GitHub Actions

CERTIfiCATIONS

- Scientific Computing [Python]
- Data Science 101 [Python]

TOOLS AND UTILITIES USED

- Kaggle, Github, Git
- MS Excel, NetBeans, R Software, Cryptography Tools, SQL server 2008, Vs Code , Unity, Windows 7,8,10 Linux, MS-office, Visual Studio , XAMMP, Web Technologies- HTML, Flask, CSS. Boot strap, Django, Selenium, Requests,OCR etc

DECLARATION

- I do hereby declare that all statements given by me as above are true, complete correct to the best of my knowledge and belief.