DRISYA C O

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Profile Summary

A driven and passionate Python developer, specializing in Django, eager to embark on a professional journey. With a strong foundation in self-learning and formal education, I excel in crafting user-friendly web applications. Experienced in developing e-commerce platforms, adeptly utilizing Django for backend operations and JavaScript for frontend functionalities. Possessing exceptional organizational skills and a collaborative mindset, I am poised to contribute effectively to innovative projects. Seeking opportunities to apply my expertise, learn from seasoned professionals, and make meaningful contributions to forward-thinking organizations.

Education

Brototype   **2023 – present**
Python-Django

Avodha   **2023 – 2024**
Python-Django   *Carnival Infopark Phase I,Kochi, Kerala 682042*

Sir Syed College   **2020 – 2023**
B.Sc. Statistics   *Taliparamba, Kannur, Kerala, 670142*

Seethi Sahib Higher Secondary School   **2019 – 2020**
Physics-Chemistry-Maths-Biology   *Salamath Nagar, Kundamkuzhi, Taliparamba, Kerala 670141*

Relevant Coursework

- Programming in Python
- C, C++
- Data Structures
- DBMS
- ORM
- SQL

Experience

Brototype – Hybrid   **August 2023 – Present**
Python Intern   *Kerala. India*

- Acquired basic programming skills including variables, conditional statements, loops, arrays, functions, classes, objects, etc.
- Learned advanced concepts such as class properties, constructors, destructors, error handling, modules, packages, and inbuilt data structure functions in Python.
- Explored list and dictionary comprehensions, lambda functions, generators, iterators, decorators, control flow statements, and various types of operators.
- Gained proficiency in Django ORM functionalities including querying with get, filter, Q objects, and annotation versus aggregation.
- Explored F and FO objects, managers, model inheritance types, meta class attributes, prefetch related, select related, signals, raw method, cursor, redirect, reverse lazy, aggregate functions, bulk create, exclude, and various date-related functions.
- Studied data structures and algorithms fundamentals, memory allocation, memory leak, and complexity analysis.
- Learned about asymptotic analysis (Big-O notation), arrays, linked lists, strings, linear search, binary search, recursion, and various sorting algorithms.
- Explored stack, queue, hash table, tree, binary search tree, heap, heap sort, trie, and graph data structures, along with their applications and traversal algorithms (BFS, DFS).
- Completed practical exercises including construction of linked lists, string manipulation, searching, and sorting algorithms.

Projects

JPD-Jewls (E-Commerce Project)

- Developed a user-friendly e-commerce website using Python-Django for the backend and JavaScript for the frontend.
- Django (version 5.0): Utilized as the web framework for building web applications in Python.
- django-allauth (version 0.58.2): Integrated for authentication, registration, account management, and social account integration.
- django-chartjs (version 2.3.0): Incorporated to enable the integration of Chart.js charts into Django templates.
- django-paypal (version 2.0): Integrated with PayPal for secure payment transactions within the Django projects.

- psycopg2-binary (version 2.9.9): Employed as the PostgreSQL adapter for Python, facilitating interaction with PostgreSQL databases in Django.
- Utilized the Python Imaging Library fork for image processing and manipulation tasks within Django projects.
- Implemented CRUD functionalities for managing products and user accounts, integrated a secure payment gateway through PayPal, utilized Chart.js for enhanced data visualization, and ensured seamless browsing with responsive design and optimized performance.
- Successfully launched and maintained the e-commerce platform, achieving positive user feedback, while demonstrating exceptional problem-solving skills in resolving technical challenges during development.
- Facilitated a convenient online shopping experience for customers, resulting in increased sales and revenue, while contributing to the expansion of the client's online presence, enhancing brand visibility, and market reach.

TO-DO APP
- Successfully completed a mini project named Todo App using Python.
- Implemented List view for tasks.
- Integrated Update view for editing tasks.
- Developed Delete view for removing tasks.
- Created Detail view for displaying task details.
- Added a date field for task due dates.
- Utilized Bootstrap for frontend enhancement to enhance user interface and experience.

Static Website Development
- Created a static website using HTML and CSS to showcase web development skills and design abilities.
- Implemented a responsive layout to ensure optimal viewing experience across devices.
- Incorporated modern design elements to enhance visual appeal and user engagement.
- Showcased projects and achievements effectively, highlighting skills and accomplishments.
- Utilized HTML and CSS to structure and style the website, ensuring clean and organized code.

Skills

- Python
- SQL
- Statistics (Statistical Analysis, Probability)
- Problem Solving
- Analytical Thinking
- C, C++
- Communication
- Reading
- Leadership
- Microsoft Excel
- HTML and CSS scripting

Additional Skills

- Strong problem-solving and critical thinking skills.
- Effective communication and the ability to translate technical findings to non-technical stakeholders.
- Strong attention to detail and accuracy when working with data.
- Capable of forming and maintaining positive and productive working relationships in internal, external, independent and team environments.
- Leadership Quality

Leadership / Extracurricular

- Ncc in sir syed college, c-certificate
- Best communication coordinator - September 2023

Activities and Interest

- Understanding and keeping a track on the latest technologies and innovations.
- Watching movies and sports
- advertisement concepts