**Sawan Rathore**

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**Summary:**

Aspiring Software Developer with hands-on experience in full-stack web development, RESTful APIs, secure payment

integration, and problem-solving through DSA and real-world projects.

**Skills:**

* Programming Languages: Python, C, C++, JavaScript, SQL, HTML, CSS.
* Frameworks: Flask, Flask API, Node.js, React.js, Express.js, SQL Alchemy, Fast API (Basics).
* Databases: MongoDB, MySQL, DynamoDB, SQLite.
* Tools: Git, GitHub, Docker.
* Courses: DBMS, Data Structure.

**Education:**

* Bachelor Of Engineering (Information Technology), Indore Institute of Science and Technology, Indore, Madhya

Pradesh, India,2024.

* Senior Secondary Education, Saraswati Vidhya Mandir, Bhikangaon, Madhya Pradesh, 2019.
* High Secondary Education, Education Way Academy, Anjangaon, Madhya Pradesh,2017.

**Experience:**

**Freelancing, CraftNDecors. Apr 2024 – Jun 2024**

**Python developer| Link**

* Integrated a secure payment gateway on the checkout page to enable smooth and reliable transactions.
* Implemented logic to store successful payment details in the backend and dynamically reflect purchased items in the user's cart and order history on the frontend.
* Worked with a tech stack including Flask, AWS DynamoDB, and Razor pay to deliver robust and scalable solutions.

**IIT INDORE DRISHTI CPS FOUNDATION Jan 2024 – Mar 2024**

**Python Developer | Intern**

* Developed and optimized Python-based RESTful APIs using Flask and SQLite for real-time transaction updates.
* Integrated Razor pay for secure payment processing and implement webhooks in Python for automated status tracking.
* Improved backend performance by 20% through Python algorithm optimization and structured data handling.
* Enhanced code quality and scalability by conducting code reviews and Python code refactoring.
* Collaborated with the frontend team to ensure seamless data flow and consistent API responses.

**Projects:**

**Simuliware -** Make span Time Calculation of Machine using Simpy.

* Built a manufacturing simulation using Python and SimPy to calculate the optimal make span time for production processes.
* Applied OOPs concepts and job scheduling algorithms to handle complex job dependencies and simulate machine failures dynamically.
* Utilized Flask to develop a minimal backend API for simulation configuration and results fetching.
* Used SQL Alchemy for efficient database management and error handling, ensuring data integrity.
* Designed the system for future scalability with JavaScript-based interactive visualization of job progress and system performance.

**Dashboard** - Dynamic Dashboard Implementation with React.js, Express.js, Node.js, MongoDB.

* Developed a secure user authentication system using JWT tokens for login, registration, and role-based access control to manage job postings and applications.
* Built and integrated RESTful APIs with ReactJS for dynamic job listing, job application submission, and user management functionalities.
* Created a responsive UI to enable seamless user interaction, including job posting creation for admins and application submission for users, with real-time feedback.
* Implemented secure file upload functionality for resumes and other application documents, with backend support for storing applicant details and job data.

**Achievements:**

* Completed 200+ problems on Data Structures and Algorithms (DSA) across platforms like LeetCode, GeeksforGeeks, and CodeChef, strengthening problem-solving skills.
* Participated in multiple hackathons, securing a top 10 rank in the JECRC Hackathon, demonstrating strong coding and teamwork abilities.
* Completed Python for Everybody certification course from Coursera, enhancing proficiency in Python programming and data handling.