SPANDAN PANDEY

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Education

Symbiosis Institute of Technology, Pune   **Jul 2019 – Jul 2023**

Bachelors of Technology - Computer Science Engineering, CGPA: 7.62

Skills Summary

- **Languages**: HTML, C, C++, Java, JavaScript, Python, Solidity.
- **Libraries**: React.js, Redux.
- **Development**: Node.js, Express.js, CSS, Rest APIs, Spring, Rest Assured, TestNG, Appium, Selenium, Locust.
- **Database**: SQL, MongoDB.
- **CS Fundamentals**: OOPs, DBMS, OS.
- **Problem Solving**: Data Structures, Algorithms.

Experience

Groww Stocks, Mutual Fund, UPI   **Aug 2023 – Apr 2024**

Software Development Engineer in Testing   *Bangalore*

- Automated frontend testing for deep links in Java Spring Boot using a powerful combination of Appium and Selenium, ensuring the reliability of the application's navigation pathways.
- Conducted comprehensive load testing for APIs related to rewards, referrals, search, and wallet services, utilizing the Python framework Locust to assess and optimize system performance.
- Crafted UPI payment mocks using Microcks for the Groww staging application, facilitating realistic testing scenarios and ensuring robust payment functionality.
- Developed backend tests and automation code in Java Spring Boot, specifically focusing on app onboarding, payments, and autopay mandate flows, contributing to the overall stability and functionality of the application.

Stripto - NFT Marketplace   **Feb 2023 – July 2023**

Full Stack Developer   *Remote*

- Streamlined API calls across the entire website, strategically minimizing hits on the API to effectively curtail company expenses.
- Implemented comprehensive cleanup functions throughout the site to systematically eliminate redundant data and optimize overall system efficiency.
- Successfully addressed major bugs, enhanced the user interface and experience, and introduced innovative functionalities across the entire website.
- Spearheaded the development of the ERC1155 NFT smart contract, showcasing leadership and expertise in blockchain technology.
- Identified and resolved security vulnerabilities within the APIs, ensuring a robust and secure digital environment for the company's operations.

Notable Github Projects

Flight Price Prediction | 05/2022 - 06/2022

- Created a Python-based flight price prediction system using Random Forest and Random Search CV, trained on a dataset with 7000 rows and 11 columns, where user inputs include airline and travel dates.
- Utilized Python libraries (pandas, seaborn, numpy, matplotlib) for efficient data manipulation and visualization, incorporating One Hot Encoding for feature engineering.
- Developed a user-friendly frontend with HTML and a Flask backend, deploying the system on Heroku for accessible and accurate flight price predictions.

Airbnb clone | 07/2022 - 08/2022

- Developed an Airbnb clone on the Polygon blockchain, incorporating MATIC cryptocurrency for seamless transactions.
- Leveraged MongoDB to store location data, ensuring a robust and scalable solution for managing property information.
- Crafted the frontend using React and CSS, while the smart contract was developed on Remix IDE using Solidity, offering a comprehensive and efficient platform for property rentals on the Polygon blockchain.