Sahaj Preet Singh

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WORK EXPERIENCE

Software Development Engineer, Coriolis Technologies, Pune   July 2023 – Present
- Improved the rendering time of the dashboard page **by 25%** through efficient code optimization and performance management.
- Increased the speed of the API used in the dashboard page **by 35%** through careful optimization and performance improvements.
- Contributed to the development of **10+ pages** for the CTHR project(In-house)both the user interface and server-side functionality.
- Implemented automation frameworks to improve testing efficiency and ensure robust product quality, handling over **50k test scripts** for comprehensive validation.
- Streamlined the Git pipeline, improving code repository structure and team collaboration, while managing **8 parallel testing jobs** for efficient validation.
- Set up automated regression testing to run **200+ test scripts on new builds**, ensuring continuous quality and quick feedback.

Software Development Intern, Coriolis Technologies, Pune   May 2022 – July 2023
- Resolved **5-10 high-priority bugs** on various pages, ensuring smoother user experience and quicker bug turnaround.
- Contributed to the re-factoring and optimization of **5+ key** modules, improving performance by **30%** and enhancing maintainability.
- Wrote over **200 automation scripts**, ensuring rigorous and efficient testing for higher product quality and faster release cycles.
- Assisted in **2+ setting up staging and production servers** for in-house projects, ensuring a smooth deployment pipeline.
- Added **5+ new features** to the dashboard, enhancing user functionality and overall product performance.
- Spearheaded automation efforts across three core products, achieving 50% test coverage for Product A, 100% for Product B, and 100% for Product C, ensuring comprehensive test coverage and operational efficiency.

EDUCATION

Lovely Professional University, Phagwara, India   Jan 2019 – Jan 2023
Bachelor of Technology - Computer Science and Engineering
- CGPA: 9.12/10.0

St. George's College, Agra, India   Jan 2018 – Jan 2019
ISC 12th, Science | Computers | Mathematics
- Percentage: 90.75%

SKILLS

Languages: Python, JavaScript

Development: Django, Microservices, Rest APIs, HTML/CSS, jQuery, Ajax, ReactJS, flutter

Database: PostgreSQL, MySQL

Tools: Git, Jira, Postman

Data Structures and Algorithms: Object Oriented Programming

PROJECTS

Divvy Up | *ReactJS, Python*
- Built a platform for users to track and manage shared expenses in real-time.
- Functionality to automatically split and calculate individual shares of group expenses.
- Enabled users to seamlessly add, view, and settle debts with others.

CollegeDeck | *ReactJS, Python*
- Created a web app that helps students find colleges based on their specific preferences, such as location, program, budget, and academic interests.
- An algorithm that matches students with the best-fit colleges, providing tailored recommendations.