Abhishek Solanki

🌐 Portfolio Website

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 GitHub Profile
 LinkedIn Profile

EDUCATION

- **Xavier Institute Of Engineering** — *Mumbai, India*
  Bachelor of Technology in Computer Engineering - 2021 — CGPA: 7.41

EXPERIENCE

- **BrowserStack** — *Aug 2021 - Jan 2023*
  Software Engineer — Remote, India
  - Successfully resolved race condition issues in deployment using Ansible, ensuring smooth and synchronized deployment processes
  - Constructed and managed a high-performance server for Percy, efficiently handling thousands of requests per second while ensuring comprehensive test coverage for all scenarios
  - Contributed to increasing platform coverage, enhancing functionalities and maintaining the infrastructure of Percy product
  - Demonstrated expertise in creating proof-of-concepts (POCs), expanding test coverage, implementing alerting mechanisms, and deploying changes during a critical platform launch. Utilized a systematic approach to automate various tasks, saving time and improving efficiency for the team.
  - Major technologies - **Ruby on Rails, NodeJS and Docker**

- **Tata Consultancy Services** — *June 2021, Aug 2021*
  Associate System Engineer - Trainee — Mumbai, India
  - Designed and developed a comprehensive web application for TCS's internal employees, streamlining the management process for sites, updates, questionnaires, and more.

PERSONAL PROJECTS

- **ALGORITHMS VISUALISER**
  - I have developed an algorithm visualizer that provides a user-friendly way to visualize complex algorithms. In the implementation, I utilized **Flask** as the backend framework and **React** for the frontend. To make it accessible to others, I have hosted the application on a free hosting platform. To establish communication between the two, I utilized **REST API.** Please note that since it is hosted on a free platform, it may take a moment for the server to start up when you visit the application for the first time. Kindly be patient during this initial loading time. However, subsequent visits should be faster as the server would be already active in the background.

- **Stock / Email Automation**
  - Implemented stock automation using Selenium and Python to streamline trading processes. Developed a script that logs into TradingView using the user's Google account and efficiently opens multiple stock charts. Utilized the script to identify and segregate sell and buy stocks, pushing them to Zerodha's watchlist. This automated solution effectively reduces user time by approximately 30 minutes.
  - Also, implemented an enhanced feature enabling users to send multiple emails seamlessly with just one click, specifically when using the same message template. This functionality greatly reduces the manual work often faced by HR departments in various companies. By automating the process, it streamlines communication and improves efficiency.
  - Tools & technologies used: **Selenium, Python, Automation**

TECHNICAL SKILLS AND INTERESTS

Languages: C++, Javascript, Python Ruby
Testing Tools: Chai, Mocha, RSpec
Web Technologies: Angular, NodeJS, React, ExpressJS, Ruby on Rails
Databases: MongoDB, PostgreSQL
Tools: Git, Github, Postman, Jenkins, Docker, Ansible

HONORS AND ACHIEVEMENTS

- **Global Rank 217 in CodeChef March Lunchtime** — *CodeChef 27th March*
- **1st Position In Codentine Competitive Programming** — *CodeChef 13th - 19th Apr 2020*

RELEVANT COURSEWORK

- **Relevant Coursework** Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Database Management System, Computer Networks, Theory of Automata, Discrete Mathematics