AJAY KUMAR VAKADA

(+91) 9390015673 ◇ Anavaram, Vizianagaram, Andhra Pradesh

ajayvakada007@gmail.com ◇ Linkedin

Career Objective

To secure a challenging position in a growth-oriented organization where I can enhance my skills and knowledge and so that become a valuable part of the organization.

EDUCATION

Bachelor of Mechanical Engineering, NIT Durgapur, West Bengal **2019 - 2023**

Technical SKILLS

Programming: Python, JavaScript, Java, MySql
Frameworks & Libraries: Django, Flask, FastAPI, Rest Apis, Selenium, Data Science, React, Pandas, NumPy, Scikit-Learn, Matplotlib, Seaborn, Api Testing, Postman Tool.

EXPERIENCE

Brane Enterprises Private Ltd. **Feb'24-Feb'25**
Associate Solution Leader (SDE1)
Implemented a **Publisher/Subscriber** feature to our **NSL Platform** with a **scheduler** to handle parallel transactions and automatically retry failed ones, improving concurrency, reliability, and system resilience.

Refactored Translator API, achieving a **90%** reduction in response time by utilizing **JProfiler** to identify and remove inefficient **toString** functions, and by replacing **Gson** with the more efficient **Jackson** library. Conducted thorough analysis to ensure optimal library usage and streamlined APIoperations by eliminating unnecessary calls.
Handled bug triage for production issues and provided complex code fixes to resolve critical production bugs
Handled regression analysis in Jenkins software

Talent Recruit Software Pvt. Ltd. **July'23 – Oct'23**
Automation Engineer(Intern)
Conducted functional, performance and integration testing, improving overall test accuracy.
Developed and maintained automated test scripts using **Robot Framework** and **Python** to improve test efficiency and accuracy Achieved **95% reduction in manual testing time** by transitioning from manual test cases to automation using the RobotFramework.

PROJECTS

Dynamic Analytics Dashboard | React, Chart.js, REST APIs
- Designed a real-time dashboard displaying system and user metrics using React and Chart.js.
- Enabled advanced filtering and data visualizations, improving decision-making efficiency.

Collaborative Learning Platform (StudyBud) | Django, React, PostgreSQL
- Built a platform allowing users to join topic-based chat rooms with CRUD operations for messages.
- Integrated REST APIs and designed a responsive React frontend for seamless user experience.

Voice-Activated Home Automation System | React, Flask, Python
- Developed a smart home automation system controlled via voice commands for enhanced accessibility.
- Used Google's Speech-to-Text API to enable precise command recognition.

Strengths

- Positive approach and vision of growth
- Willingness of search and learn.
- Honest.

Achievements

- Completed the course on Machine Learning from Udemy.(View certificate)
- 5-Star python programmer in Hacker Rank
- Co-authored and presented a conference paper at **ISME 2023**, showcasing expertise in thermal and fluid systems.
- Led mechanical team activities during NIT Durgapur's technical festival *Aarohan 2022*.

Personal Details

Date Of Birth   : 01-07-2001
Gender   : Male
Marital Status : Unmarried
Father's Name   : Ramesh Vakada
Languages Known : English, Hindi & Telugu
Hobbies   : Cricket, Watching Movies
Religion   : Hindu

Declaration

I hereby declare that the information given above is true and best of my knowledge

Place: Vizianagaram

Date: (Vakada Ajay Kumar)