Aditya Sinha

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SUMMARY

A highly motivated and technically skilled Software Engineer with hands-on experience delivering reliable and efficient solutions. Proficient in designing, developing, and optimizing software applications, with a strong foundation in computer science, data structures, and algorithms. Recognized as a fast learner with excellent communication and collaboration skills, adept at working in cross-functional teams to solve complex problems. Passionate about innovation and continuous learning, and eager to contribute expertise and enthusiasm to drive impactful technology projects within a dynamic engineering team.

EDUCATION

Global Academy of Technology   **Bengaluru, KA, India**
Bachelor of Technology in Computer Science and Engineering   **Aug 2019 - May 2023**
9.1 CGPA

WORK EXPERIENCE

mthree   **Nov 2024 - Present**
*Working onsite at **HSBC***

- Resolved environment-related issues across multiple testing environments, improving test stability and reducing downtime by 30%, resulting in faster release cycles.
- Contributed to deployment automation and build failure troubleshooting, accelerating deployment speed by 25% and enhancing release reliability.
- Authored comprehensive technical documentation, automation workflow guides, and Root Cause Analysis (RCA) reports, driving knowledge sharing and reducing recurring issues by 35%.

mthree   **Jan 2024 - Mar 2024**
SRE Intern

- Successfully completed an intensive SRE internship, gaining hands-on experience in CI/CD pipelines, infrastructure automation, and cloud deployment.
- Developed knowledge of monitoring tools and system reliability through practical training and hands-on projects.

PROJECTS

Brain Tumor Detection using Explainable AI | *Python, Flask, MySQL, CNN* | (Link)

- This is a web application designed to assist healthcare professionals in accurately diagnosing brain tumors using deep learning technology.
- The system employs different models to analyze medical imaging data such as MRI scans, to detect the presence of brain tumors and also integrates explainable AI techniques to provide decision making process of the AI model.

Bus Reservation Management System | *HTML, CSS, Flask, MySQL* | (Link)

- This is a user-friendly system which allows passengers to effortlessly book bus tickets online, view schedules, and manage reservations.
- The entire project is a web application designed to simplify the process of booking bus tickets for travel between different cities.

TECHNICAL SKILLS

- **Languages:** C++, Python, SQL, HTML, CSS, Flask
- **Tools/Technologies:** Git, Linux, Docker
- **Certifications:** Introduction to Python, Introduction to DevOps, Foundations of SRE(mthree)
- **Awards:** GATE 2023 Qualified , Among the top 10 finalist team in 24 hours intercollege hackathon (Hack-a-League-1.0) , Participant in Hacktoberfest 2024