VASU GROVER

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WORK EXPERIENCE

Associate Software Engineer
Bosch Global Software Technlogies (BGSW)

📅 July 2023 - current   📍 Coimbatore, Tamil Nadu, India

- Cut original 60-minute execution to 40 minutes for customer releases and 30 minutes for local releases.
- Achieved 33% and 50% improvements in execution times for customer and local releases, respectively.
- Redesigned pipeline to allow quick updates and expansions through variable adjustments.
- Boosted operational agility by 30%, facilitating faster adaptability and maintenance.
- Cut down the handover time to the V&V team from four days to three, significantly enhancing the speed of the validation process and supporting faster project completions.
- Authored comprehensive deployment documentation, streamlining onboarding and reducing new team member ramp-up time by 48 hours.
- Launched a comprehensive dashboard for real-time metrics visualization, enhancing team's operational monitoring capabilities and supporting a more data-driven approach in project management.

PERSONAL PROJECTS

Cyberbullying Detection

- Enhanced the accuracy of an SVM-based machine learning model to 93.3%, achieving a significant breakthrough in detecting cyberbullying instances and advancing predictive analytics capabilities.
- Developed an API in Python for rapid cyberbullying detection, facilitating seamless integration into text-based platforms and supporting real-time responses.
- Spearheaded the project's documentation and version control on GitHub, facilitating future enhancements.

P2P Content Delivery Network (CDN)

- Designed a P2P CDN system that lowered server load and bandwidth costs, leveraging user geographic proximity for efficient content distribution and enhancing user experience.
- Utilized IP-based swarm allocation to enhance content delivery speed and performance, ensuring minimal impact on user experience.
- Directed the system's design and implementation, leveraging a stack of modern web technologies to ensure scalability and security.

ABOUT ME

I graduated with a B.Tech from SRM IST in 2023, and I currently work at BGSW, a subsidiary of BOSCH, as a DevOps Associate Engineer. In this role, I focus on improving CI/CD pipelines to boost deployment efficiency. I am passionate about coding and have a strong interest in game development. Committed to lifelong learning, I regularly engage with the latest tech news and enjoy experimenting with new technologies. I am always eager to tackle challenges and turn innovative ideas into real-world solutions.

EDUCATION

Bachelor of Technology
Computer Science & Engineering
SRM IST

📅 June 2019 - May 2023
📍 Delhi, NCR
🎓 CGPA - 8.97

SKILLS

DevOps Tools
- Jenkins, Terraform, Docker, Kubernetes, Grafana, Prometheus, Artifactory, AWS, Git

Languages
- JavaScript, TypeScript, Python, Java, PHP, C++, C, C#, Go

Frameworks/Libraries
- React, Angular, Laravel, Spring Boot, FastAPI, TailwindCSS

Databases
- SQLite, MySQL, MariaDB, MongoDB, Redis, Valkey