

Abhijeet Bhovar

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Education

2016 | 2020 **BSc in Computer Science**, *University of Mumbai, Maharshi Dayanand College, Mumbai.*

2022 | 2024 **MSc in Computer Science**, *University of Mumbai, Patkar College, Goregaon.*

Work Experience

December 2023 – March 2024 **DevOps Intern**, *Support Hives Technology LLP*, Malad, Mumbai.

- Supporting Developers in tech support
- Fluid Deployment of Projects
- Learn to Develop scripts to automate visualization
- Learn to Perform root cause analysis for production errors
- Working with Team Lead to Provide Level 2 technical support

Skills

Shell Scripting Proficient in Bash scripting, I have spearheaded the automation of various deployment tasks to streamline project deployment processes effectively. Leveraging Bash, I developed scripts tailored to automate deployment workflows across multiple environments, ensuring consistency and accuracy in code deployment. These scripts encompassed configuration management, version control integration, robust error handling, and logging mechanisms, facilitating swift identification and resolution of deployment issues. Moreover, I emphasized modularity and customization, crafting scripts adaptable to diverse project requirements and environments.

Kubernetes I seamlessly integrated Docker containers into the deployment workflow, orchestrating the efficient scaling and management of applications. Leveraging Kubernetes, I orchestrated the deployment of containerized applications across clusters, ensuring optimal resource utilization and high availability. By defining Kubernetes deployment manifests and services, I automated the deployment process, enabling the seamless rollout of updates and enhancements. Additionally, I implemented strategies for load balancing, auto-scaling, and self-healing within Kubernetes environments, ensuring the resilience and responsiveness of deployed applications. Collaborating closely with development teams, I facilitated the transition to containerized deployments, promoting consistency and reliability across development, staging, and production environments. Through my expertise in Kubernetes and Docker, I contributed to the establishment of robust and scalable application infrastructures, driving innovation and efficiency within the organization.

- AWS** I have demonstrated expertise in managing EC2 instances and EBS volumes to support scalable and reliable application deployments. With a focus on performance optimization and cost-effectiveness, I orchestrated the provisioning and configuration of EC2 instances tailored to project requirements. Additionally, I efficiently managed EBS volumes, implementing backup and recovery strategies to ensure data integrity and availability. Leveraging AWS services such as Auto Scaling and Elastic Load Balancing, I dynamically scaled resources to meet demand, contributing to high availability and fault tolerance for deployed applications.
- Laravel Deployment on Windows Server/IIS** Laravel websites on Windows Servers through IIS (Internet Information Services), I successfully navigated the intricacies of configuring and managing Laravel applications within a Windows environment. Leveraging IIS, I meticulously configured virtual hosts and URL rewriting rules to seamlessly integrate Laravel's routing system. Through diligent setup of PHP and MySQL on Windows Server, I ensured compatibility and optimal performance for Laravel applications. Additionally, I implemented security measures and performance optimizations tailored to the Windows environment, guaranteeing robustness and efficiency in Laravel website deployments.
- Linux system administration** Proficient in Linux system administration with expertise in CentOS and Ubuntu distributions. Skilled in deploying, configuring, and maintaining servers, ensuring optimal performance, security, and reliability. Experienced in troubleshooting system issues, implementing automation techniques, and managing software installations and updates. Proficient in shell scripting and command-line utilities for task automation and system monitoring. Strong understanding of networking concepts, file systems, and user management in Linux environments. Dedicated to staying current with industry best practices and continuously enhancing technical skills to effectively support organizational goals.

Projects

Hand Sign language Detection on Raspberry Pi, *Keras deep learning libraries, Python 3.12, Open CV Libraries, Raspberry Pi 4.*

Designed and implemented a hand sign detection system using the Keras deep learning framework and Python, achieving high accuracy in real-time hand gesture recognition. Accomplished and results-driven professional with expertise in computer vision and deep learning, showcasing proficiency in developing a project on hand sign detection using Keras and Python This project helped me to learn linux in more depth as I implemented it on Raspberry pi which helped me to get the knowledge in Linux

Network Accessed Storage(NAS) with Raspberry Pi, *Open Media Vault, Storage Space, Raspberry Pi.*

Conceptualized, planned, and executed the deployment of a Network Attached Storage (NAS) system on Raspberry Pi, utilizing a combination of hardware and software solutions to create a centralized and accessible storage environment. Leveraged Linux-based operating systems and containerization technologies to optimize resource utilization, ensuring efficient performance of the NAS solution on the resource-constrained Raspberry Pi platform. The Project helped me to learn the about Network Protocols work.

Laravel Application Deployment on Kubernetes, *Kubernetes V1.27, Docker.*

Proficient in orchestrating Laravel application deployments on Kubernetes, I have demonstrated expertise in managing the containerization and scaling of Laravel projects within Kubernetes clusters. Leveraging Docker containers, I meticulously encapsulated Laravel applications and their dependencies to ensure consistency and reliability across diverse environments. Through the meticulous definition of Kubernetes deployment manifests and services, I streamlined the deployment process, enabling seamless updates and enhancements. Additionally, I implemented robust strategies for load balancing, auto-scaling, and self-healing within Kubernetes environments, thereby guaranteeing the resilience and responsiveness of deployed Laravel applications.

Certifications

Bachelor's Degree in Computer Science, *2016-2020.*

I hold a Bachelor's Degree in Computer Science, providing me with a solid foundation in fundamental principles of computing, algorithms, data structures, and software engineering. Throughout my academic journey, I gained valuable experience in programming languages such as Java, Python, and C++, and developed a deep understanding of computer systems and architectures. Additionally, coursework in areas such as database management, operating systems, and computer networks has equipped me with the knowledge necessary to tackle complex technical challenges.

University of Mumbai

Master's Degree in Computer Science, *2022-2024.*

A Master's Degree in Computer Science offers a profound exploration of advanced topics within the realm of computing, providing students with a deep understanding of theoretical principles and practical applications. Throughout the program, students delve into areas such as algorithms, artificial intelligence, data science, cybersecurity, and software engineering, among others, gaining both breadth and depth of knowledge in diverse areas of computer science. Through rigorous coursework, hands-on projects, and research opportunities, students develop critical thinking skills, problem-solving abilities, and a proficiency in cutting-edge technologies.

University of Mumbai

Google IT Support Certificate, *July 2021.*

Successfully completing the Google IT Support certification has equipped me with a comprehensive understanding of essential IT concepts and practical skills necessary to thrive in the dynamic world of technology support. Throughout the certification journey, I've gained proficiency in troubleshooting, customer service, networking, system administration, security, and more, all while leveraging Google's cutting-edge tools and methodologies.

Google

Google Cybersecurity Certificate, *July 2023.*

Completing the Google Cybersecurity Certificate has been instrumental in solidifying my knowledge and expertise in safeguarding digital assets and mitigating cyber threats. This comprehensive program has equipped me with a deep understanding of various cybersecurity principles, including network security, encryption, incident response, and threat detection. Through hands-on projects and real-world scenarios, I've honed my skills in identifying vulnerabilities, implementing security controls, and proactively defending against cyber attacks.

Google