

# Varad Belwalkar

Website: [belwalkarvarad.tech](http://belwalkarvarad.tech)

Github: [github.com/VaradBelwalkar](https://github.com/VaradBelwalkar)

Docker: [hub.docker.com/u/varadbelwalkar](https://hub.docker.com/u/varadbelwalkar)

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## EDUCATION

- **Indian Institute of Technology, Bombay** Mumbai, India  
*Masters of Technology - Computer Science and Engineering; GPA: 9.5* ongoing
- **D Y Patil college of engineering and technology** Kolhapur, India  
*Bachelor of Technology - Computer Science and Engineering; GPA: 8.46* 2020-ongoing

## SKILLS SUMMARY

- **Languages:** C/C++, Go, Python, JavaScript, Java, PHP, Bash, Powershell, SQL, LaTeX
- **Software Tools:** Git, GitHub, Docker, LXD, Podman, Jenkins, Wireshark, Kubernetes, Ansible, Terraform, Kafka, ElasticSearch, EVE-NG
- **Databases:** MySQL, MongoDB, SQLite, etcd, Redis, Apache Ignite
- **Web Dev:** HTML5, CSS3, JavaScript, Node.js, ReactJS, ExpressJS, Django, GraphQL, Hugo
- **Platforms:** Linux, and Windows
- **Cloud Platforms:** Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform (GCP)
- **Firewalls:** Palo-Alto, Fortigate

## EXPERIENCE

- **Tech Mahindra Ltd.** | Cyber Security Engineer
  - Worked in the Network Security role to implement highly secure Network-Security Solutions for companies like AT&T, Microsoft etc.
  - Collaborated with Goldman Sachs to improve their on-site network security. Helped to achieve 80% less possible intrusion attacks.
  - Analysed network infrastructure of many companies and advised them improvements which effectively saved them on \$40 million.

## KEY PROJECTS

- **M.Tech Project** | *Distributed Systems*
  - Engineered backend in Go to provide storage and container services by utilizing docker-SDK for Go
  - Used **MongoDB** for storage, **Redis** for faster workflow, Computing platform, and Cookie-based sessions
  - Implemented Client in Go with conventional security practices and hybrid encryption
  - Implemented CI/CD pipeline using **Jenkins** to automate the build, test, and deployment process
- **Another M.Tech Project** | *Distributed Systems*
  - Engineered backend in Go to provide storage and container services by utilizing docker-SDK for Go
  - Used **MongoDB** for storage, **Redis** for faster workflow, Computing platform, and Cookie-based sessions
  - Implemented Client in Go with conventional security practices and hybrid encryption
  - Implemented CI/CD pipeline using **Jenkins** to automate the build, test, and deployment process

## OTHER PROJECTS

- **Compute Services** | *Cloud Computing*
- **Scalable Platform as a Service** | *System Design*
- **Load Balance docker engines** | *Distributed Systems*
- **Web-based Labs** | *Web application*
- **Docker-DHCP on host bridge** | *Networking*
- **D-RAM Addressing Attack** | *Computer arch.*
- **Secure Tunnelling** | *Blockchain*
- **Decentralized Verification** | *Blockchain*

## POSITION AND RESPONSIBILITY

- Written blogs, in-depth tutorials & How-Tos on various topics in various domains available on Website website
- Deployed and maintaining the college server to ensure seamless access and availability of resources
- Published PaaS Framework as Docker image which has over **2.8K+** pulls on Docker Hub registry
- Carried out Linux-Wargames and took Linux-related sessions dypcet