MAYUR KHADDE

Pune, India

📞 +91 75077-38781 ✉ mayurkhadde@gmail.com 🔗 linkedin.com/in/mayur-khadde 💼 bashlogs.github.io

Education

Vishwakarma Institute of Technology, Pune **Aug 2022 - Present**
Bachelor of Technology in Computer Engineering — CGPA: 8.81 *Pune, India*

Cusrow Wadia Institute of Technology, Pune **Aug 2019 - Jun 2022**
Diploma in Computer Science — Percentage: 94.65 *Pune, India*

Experience

IDeaS - A SAS Company **Jan 2025 – Present**
Associate Software Developer Intern *Pune, India*

- Implementing AWS architecture for a product, incorporating concepts such as Proxy Servers, Load Balancing, Caching, Fargate and automated infrastructure provisioning using Terraform modules.
- Designing Datadog dashboard to display Server logs for Analysis and Forcasting purposes.
- Working on shell script for automation, Downtimes, Logs management in On-prem servers, Server to Server communication and Data extractions.
- **Skills Acquired** - Product Design, On-prem architecture, Jenkins, AWS, Datadog, GitHub Actions

Projects

Vitunix OS | *Arch Linux, Shell, Lua, Package Management* **Website 🔗**

- Created a high-performance open-source linux based operating system optimized for minimal resource usage and efficient operation, project operates efficiently with under 400MB of RAM post-boot.
- Generated over **4,000+ views**, **1,020 downloads** on Foss Torrents, and 500+ downloads on SourceForge, gained substantial interest from the Linux community.
- Integrated customizable window managers like Bspwm, Openbox, i3 with modular packages, reducing boot time by 40%

Nivesh - Financial Tracking System | *React, Express, Python, Huggingface, Finbert Models, MongoDB* **Github 🐙**

- Engineered full-stack financial tracking platform with cross-platform (web/mobile) compatibility, implementing real-time budget analytics, expense management and budget saving tools
- Implemented AI-powered stock prediction system using three **FinBERT models** and Automated news collection pipeline, achieving **89% prediction** accuracy by processing financial articles.
- Developed paper trading simulations platform for hands-on investment practice, resulting in 40% increase in user engagement and improved financial literacy.

Cloud Deploy- A PaaS Platform | *Kubernetes, Golang, TypeScript, PostgreSQL, Docker*

- Designed and developed a PaaS platform to automate secure Docker deployments on Kubernetes clusters, simplifying the deployment workflow for developers.
- Architected a flexible multi-tenant model with support for different payment tiers and extended features, enabling smooth integration across diverse tech stacks.

Technical Skills

Languages: Java, Python, C, Golang, Typescript, Shell, PHP, Lua
Frameworks: LAMP, Next.JS, Flask, Node.JS
Tools: Kubernetes, Docker, GIT, Terraform, PostgreSQL
Platform: Linux, AWS, Azure, Github
Core Skills: System Design, OOPS, Networking, Operating System

Achievements

- Successfully completed **CKAD Certification** and achieved expertise in Kubernetes, Clustering Designs and Helms.
- Secured **Top 5** Spot at Cummins Hackathon organized by UBS.
- Published research paper at **REDCYSEC 2023** about Vitunix OS and it's lightweight performance in linux system
- Publish a research paper on the **A9G-based Dementia GPS Tracker** device designed to assist people with dementia.
- Secured a spot at the **Titan Design Impact Movement**, showcasing the A9G-based Dementia Tracker and making a meaningful impact on people with dementia.