MAYUR KHADDE

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TECHNICAL SKILLS

Programming Languages: Java, Python, C, Typescript, Javascript, Shell
Web Development: HTML, CSS/Bootstrap, Php, JavaScript, React.js, Flask, Next.js
Tools: Vim, Git, Github, Docker, Kubernetes, Postman, Terraform
Platform: Arch Linux, AWS, Azure, Datadog
Other Skills: DSA, System Design, OOPS, Operating System, Memory Management

PROFESSIONAL EXPERIENCE

IDeaS Revenue Solutions, Associate Software Engineer Intern   Jan 2025 - Present
- Worked on **on-prem**/**aws** server-to-server communication to design custom metrics for monitoring and observability.
- Automated the storage scaling process of database servers using lambda function triggered by threshold-based alerts.
- Improved downtime handling functionality to support 24x7 operations and designed a system to mute alerts from ECS clusters, EC2 instances, and on-prem servers concurrently.
- Designed a website to showcase new Datadog courses, helping new employees learn about monitoring and alerting.
- Performed index stats analysis on database servers to help developers optimize queries and enhance performance.
- **Skills Acquired** - AWS, Boto3, On-prem server, Shell Scripting, CI/CD, Python, Bootstrap

EmpowerCodes Technologies, Full Stack Developer   Jan 2022 - Jul 2022
- Developed a full-stack e-commerce website for consumer electronics, enabling users to order products from nearby stores with real-time inventory tracking and a secure checkout system.
- Integrated PayU payment gateway and built a store-side panel for product management and bill verification.
- Created an admin dashboard to onboard new stores and manage vendor-related operations.
- **Skills Acquired** - HTML, CSS, PHP, MySQL, Google Auth, Azure

PROJECTS

Vitunix Operating System | *Arch Linux, Shell, Package Management*   Jan 2023 – Jun 2023
- Created a high-performance, open-source Linux-based operating system optimized for minimal resource consumption running efficiently with less than **400MB RAM** post-boot.
- Achieved significant community engagement with **4,000+ views, 1,020+ downloads** on Foss Torrents, and **500+ downloads** on SourceForge.
- Integrated lightweight and customizable window managers such as Bspwm, Openbox, and i3, along with modular package support, resulting in a 40% reduction in boot time.
- Research Paper • Website • Github

Nivesh - Financial Literacy | *React, Express, Python, Hugging Face, Finbert Models, MongoDB*   Jun 2024 - Dec 2024
- Engineered cross-platform compatibility (web and mobile) finance tracking platform, featuring real-time budget analytics, expense management, and budget optimization tools.
- Implemented news sentiment analysis in a stock prediction system using three **FinBERT models** and an automated news collection pipeline, achieving **89% prediction** accuracy by processing real-time financial news.
- Developed a paper trading simulation platform to get hands-on investment practice, significantly enhancing user engagement and learning.
- Project Repo

Feedback Management System | *PHP , Bootstrap, Javascript, HTML*   Aug 2022 - Nov 2022
- A web application was created to enhance the feedback management process for an institution, effectively managing more than **5,000 feedback** submissions each season.
- Automated course outcome calculations based on feedback and designed dashboards to display key statistics.
- Project Repo

ACHIEVEMENTS

- 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 its lightweight performance in Linux Systems.

EDUCATION

B.Tech in Computer Science Engineering   Oct 2022 - May 2025
Vishwakarma Institute of Technology, Pune
CGPA - 8.97

Diploma in Computer Science   Aug 2019 - July 2022
Cusrow Wadia Institute of Technology, Pune
Percentage - 94.65