

# HARSH UPADHYAY

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## Education

### Mumbai University

Bachelor of Engineering in Computer Science Engineering

2022 – 2026

Mumbai, Maharashtra

## Relevant Coursework

- Data Structures & Algorithms
- Computer Networks
- Digital System Design & Computer Architecture
- Information & Cybersecurity Fundamentals
- Operating Systems
- Database Management Systems

## Experience

### Golang Developer Intern

HireIntel.ai

November 2024 – Present

Mumbai, Maharashtra

- Developed a robust **backend system** using **Golang** and **Gin-Gonic** on a modular monolithic architecture, improving system scalability and maintainability, and reducing response time by **30%**.
- Implemented an automated **emailing service** using **SendGrid**, increasing user engagement by **20%** through effective communication workflows.
- Deployed the application on **AWS EC2** with **Nginx** as a reverse proxy, ensuring **99.9% uptime**, and collaborated with the frontend team to resolve bugs, reducing reported issues by **15%**.

### Production Engineer (Team Lead)

TCET-Opensource

July 2023 – April 2024

Mumbai, Maharashtra

- Implemented an **automated daily unit testing service** for a product in development, reducing the time required for bug identification and fixing by team members.
- Streamlined the software delivery lifecycle by introducing **continuous integration and deployment (CI/CD)**, resulting in a **25% reduction in delivery time** and fewer production defects.
- Optimized application performance and infrastructure scalability, achieving significant improvements in response time and overall system efficiency.

## Projects

### Arka Linux | Go, ReactJs, Wails Framework, TailwindCSS, Next.js

April 2024 – Present

- Developed a comprehensive **Welcome Application** using the **Wails framework**, integrating **Golang** and **React**, enabling seamless system-level communication and providing a modern UI for **Arka Linux**.
- Implemented essential features in the Welcome Application, including **system updates**, **mirrorlist management**, and **theme customization**, significantly improving the user onboarding experience and system flexibility.
- Redesigned and maintained the **Arka Linux GUI website** using **Next.js** and **TailwindCSS**, enhancing user navigation, accessibility, and overall aesthetics.

### Contanize | Go, Docker, Wails Framework, ReactJs, Shaden

May 2024 – September 2024

- Developed a **GUI desktop application** in Go using **Docker containers**, implementing **statistics tracking** and **customizable templates**, resulting in efficient management of isolated development environments.
- Integrated **MongoDB** and **PostgreSQL** database support, expanding the application's versatility and accommodating diverse project requirements.
- Implemented templates for **Nest.js**, **Next.js**, **Next.js with TypeScript**, and **Go-Fiber with Templ** and **Tailwind CSS**, streamlining project setup processes and boosting user productivity.

## Open Source & Volunteer Contributions

### Developer & Maintainer

Arka Linux GUI (ALG)

April 2024 – Present

Mumbai, Maharashtra

- Led the **maintenance and stability efforts** of **Arka Linux GUI**, resolving over **50 user-reported issues** and implementing bug fixes, increasing system reliability by **20%**.
- Collaborated with the core team to **manage 10+ feature releases** and integrate critical updates, reducing the average release cycle by **25%** and ensuring seamless user adoption.
- Enhanced **community engagement** by addressing **30+ feature requests**, improving documentation, and driving the adoption rate of Arka Linux GUI among new users by **15%**.

### Google Cloud Study Jam Facilitator

GDSC TCET

September 2023 – April 2024

Mumbai, Maharashtra

- Managed** a group of 150 students in Google Cloud Study Jam, implementing effective program delivery strategies, resulting in **high engagement and completion rates**.
- Organized and conducted** technical workshops and events, focusing on enhancing skills within the community, leading to **improved technical knowledge and participation**.

## Programming Skills

- Languages:** Go, Java, JavaScript, TypeScript, Python
- Databases:** MongoDB, PostgreSQL
- Tools & Frameworks:** Git, Docker, CircleCI, Kubernetes, Go-Fiber, Gin-Gonic, NextJs, ExpressJs, Spring Boot, Nest, Wails
- Platforms & Environments:** Linux, AWS, Azure