

# YASHAS KHOT

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## EDUCATION

### University of Mumbai

Dec. 2021 – May 2025

Bachelor of Engineering in Information Technology CGPA: 8.74/10

Mumbai, India

- **Coursework:** Data Structures, Algorithms, Databases, Computer Networks, Operating Systems, Distributed Systems, Programming Paradigms, Cryptography

## WORK EXPERIENCE

### Rising Phoenix | DevOps Intern | [Letter of Recommendation](#)

July 2024- Oct. 2024

- Implemented and maintained a **secure cloud** environment using **Docker**, **Kubernetes**, and **AWS**, reducing security incidents by **35%**.
- Automated **CI/CD pipelines**, improving deployment efficiency by **60%** and reducing manual effort by **70%**.
- Collaborated with cross-functional teams to identify and address **42** security vulnerabilities, ensuring the **Compliance Co-pilot™** product maintained a high level of **compliance** and **risk mitigation** with a **95%** reduction in critical risk factors.

### DBLDC | Software Developer Intern | [Letter of Recommendation](#)

May 2023- July 2023

- Engineered **Django**-powered NSS web portal for user **authentication**, data retrieval, and **real-time interactions**, handling **5,000** concurrent users with **99.5%** uptime.
- Conducted rigorous **testing** to ensure **sub-200ms** response time for **90%** of requests under varying loads for optimal performance.
- Architected **Python AWS** backup script using SDKs, automating backups and reducing disaster recovery time by **60%**.

## PROJECTS

### AyuWave | React, MongoDB, Flask, ChromaDB, Llama, Pinata | [Github Link](#)

- Built a healthcare platform offering personalized wellness solutions, holistic health planning and secure medical record storage bridging the gap between modern technology and traditional medicine.
- Developed a smart agent using **Llama** and **Google SERP** to provide **Ayurvedic** remedies based on symptoms, along with personalized **diet plans** and **yoga routines**.
- Leveraged Pinata **IPFS** to store medical records in a **decentralized**, secure manner, ensuring **data privacy** and immutability.

### TinyGo | Golang, GoFiber, Docker, Redis, Postman | [Github Link](#)

- Developed high-performance URL shortener using **Golang**, GoFiber with **5,000+** req/s, **Redis** caching **80%** faster, and **Docker** containerization.
- Utilized **GoFiber's** efficient routing for **40%** performance boost and Redis for sub-millisecond key-value storage with **10,000+** shortened URLs.
- Implemented robust error handling with **99.9%** uptime, **RESTful API**, and optimized memory usage with **60%** reduction.

### FinjanGo | Django, Python3, MySQL, AWS | [Github Link](#)

- Built expense tracking system with **Django/Python3** for **2,000+** users, utilizing **MySQL** database with **95%** uptime.
- **Optimized** MySQL schema with **15+** tables for data integrity and **sub-50ms** querying.
- **Integrated** interactive **JavaScript** charts with **15+** visualization types for insightful expense analysis.

## TECHNICAL SKILLS

**Languages:** C, C++, Python, Golang, JavaScript, HTML, CSS, SQL.

**Tools:** Git/GitHub, AWS, Docker, MongoDB, Postgres, MySQL, Postman, Redis.

**Frameworks/Libraries:** Django, Kubernetes, FastAPI, Node.js, Selenium.

## CERTIFICATIONS / ACHIEVEMENTS

### Smart India Hackathon 2023 Grand Finalist | [Credential](#)

Google - Google Cybersecurity | [Credential](#), Google Cloud, Generative AI | [Credentials](#)

Postman - Postman API Fundamentals | [Credential](#)

## LEADERSHIP / EXTRACURRICULAR

### Google Developer Student Club & Association for Computing Machinery

June 2023 – Present

Cloud Expert, Advisor — Technical Head, Mentor

DBIT

- Conducted **12+** workshops, seminars, coding challenges, and tech talks on **Google Cloud Platform**, **Generative AI**, and **Web Development**, educating **250+** individuals and enhancing technical proficiency.
- **Revamped** and optimized chapter and event websites [dbit.acm.org](https://dbit.acm.org) & [teknack.in](https://teknack.in), boosting **user engagement** by **40%** and reducing **page load time** by **25%** through **code enhancements** and server optimizations.