

Yasasvi Gumma

Applying for: Software Engineer

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About Me

Self-taught web developer with 4+ years of experience building scalable, high-performance applications across web and mobile. Led 32+ projects, specializing in accessibility, automation, and cloud systems. Passionate about solving complex problems, optimizing deployments, and building user-centric software to empower people and organizations.

Education

MLR Institute of Technology	Hyderabad, India
B.Tech in Data Science	2021 – Expected 2025
Bhashyam College	Hyderabad, India
Intermediate	2018 – 2021
Bhashyam High School	Hyderabad, India
High School (SSC)	2016 – 2018

Experience

Independent Developer & Freelancer	2019 – Present
<ul style="list-style-type: none">Developed and deployed 32+ scalable web applications using Go, JavaScript, and PostgreSQL, enhancing performance, security, and user experience. Optimized CI/CD workflows, implemented PWA for mobile adaptability, and enhanced VPS security best practices.	
Project Contributor	2019 – 2022
<ul style="list-style-type: none">Optimized healthcare data processing, reducing retrieval times and enhancing user experience through efficient system design.	

Showcase Projects

Projects

Blood Transmutation ~ blood-transmutation.yasasvi.site

- AI model for blood composition analysis, suggesting type conversions with **~100 simulated cases/day** and **<500ms response time**.

Echo Flow ~ echo-flow.xyz

- AI chatbot for disabled users, handling **500+ queries/day** with **~50MB RAM/query** and **~800ms avg response time**.

Tweet Analysis Tool ~ MementoMori11723/tweet-analyser

- NLP tool for real-time sentiment classification, analyzing **~1,000 tweets/day** with **~95% accuracy** and **<300ms latency/tweet**.

Medical Assistant ~ medical-assistent.yasasvi.site

- AI health advisor offering symptom analysis, handling **~200 symptom checks/day** using **~75MB RAM/session**.

Bank App ~ bank-app.yasasvi.site

- Web & CLI banking system with **~50 transactions/day**, running on a shared SQLite database with **~5MB RAM/operation**.

Deployment

- Hosted on a **Linode VPS (\$5–\$8/month, 1 vCPU, 1GB RAM, 25GB storage, 1TB bandwidth)**, efficiently running multiple servers with **≤8% CPU usage, ~300MB RAM usage, and <2GB storage footprint**.

Technical Highlights

Web & App Development: Secure, scalable web apps & cross-platform mobile apps.

Cloud & Deployment: GCP, Render, Linode, Docker, Kubernetes.

Automation & CI/CD: GitHub Actions, Ansible, Terraform.

AI & Security: AI integration, VPS management, SSH hardening.

Skills

Soft Skills

- **Problem-Solving & Adaptability** – Led **32+ projects**, tackling deployment and scalability challenges.
- **Leadership & Initiative** – Built and optimized **secure, high-performance applications** independently.
- **Collaboration & Teamwork** – Worked on **cross-functional projects** across healthcare, finance, and AI.
- **Efficiency & Optimization** – Deployed multiple servers on a **low-cost VPS**, maintaining **≤8% CPU usage**.
- **Growth Mindset** – Passionate about continuous learning, adapting to challenges, and thriving in collaborative environments.

Core Skills

- **Languages:** Go, Python, JavaScript, TypeScript, HTML/CSS.
- **Databases:** SQLite, MongoDB, PostgreSQL.
- **Tools & Frameworks:** Nginx, Flutter, Raylib, React, Bun, Svelte.

Tech Stack

Primary: *DRAG*

- **D - Docker** – Containerization for scalable and efficient deployments.
- **R - Redis** – In-memory data store for fast caching and real-time processing.
- **A - Alpine.js** – Lightweight JavaScript framework for reactive UI.
- **G - Go** – High-performance, concurrent language with OOP principles through composition.

Optional tools: Tailwind CSS, HTMX, SQLite, MongoDB, PostgreSQL, Docker - Stack, Ansible, GitHub Actions

Additional Info

Languages:

- **Telugu:** (Fluent), **English:** (Proficient), **Hindi:** (Proficient)

Certifications:

- **Computer Hardware Basics (2025):** Learned system architecture, troubleshooting, and optimization.
- **Web Development Internship at Coincent (2024):** Built full-stack web apps, enhancing development and deployment skills.
- **Data Science with Python (2022):** Focused on data analysis, machine learning, and AI.

GitHub:

- Showcasing 32+ projects, demonstrating expertise in solving complex problems across web development, AI, and cloud deployment.