

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 that aligns with Microsoft's mission to empower people and organizations.

Education

MLR Institute of Technology	Hyderabad, India
B.Tech in Data Science	2020 – Present
Bhashyam College	Hyderabad, India
Intermediate	2018 – 2020
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

- P1 **Blood Transmutation – AI-Driven Blood Type Conversion Tool** ~ blood-transmutation.yasasvi.site
- Designed an AI model to analyze blood composition, suggesting potential type conversions to improve transfusion compatibility.
- P2 **Echo Flow – AI Voice-Powered Chatbot** ~ echo-flow.xyz
- Built an AI chatbot for disabled users, handling 500+ daily queries with real-time cloud-based responses.
- P3 **Tweet Analysis Tool – Real-Time Sentiment Analysis** ~ MementoMori11723/tweet-analyser
- Developed an NLP tool for real-time sentiment classification, analyzing thousands of tweets daily with optimized data processing.
- P4 **Medical Assistant – AI-Based Health Advisor** ~ medical-assistent.yasasvi.site
- Created a cross-platform AI health advisor, offering symptom analysis and basic medical guidance.
- P5 **Bank App – Web & CLI Banking System** ~ bank-app.yasasvi.site

- Built a banking app with web and CLI interfaces, enabling users to manage transactions via a shared SQLite database.

Deployment

- Hosted on a **Linode VPS (\$5–\$8/month, 1 vCPU, 1GB RAM, 25GB storage, 1TB bandwidth)**.
- Efficiently runs multiple servers with **≤8% CPU usage**.

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*

- **Docker** – Containerization for scalable and efficient deployments.
- **Redis** – In-memory data store for fast caching and real-time processing.
- **Alpine.js** – Lightweight JavaScript framework for reactive UI.
- **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 35+ projects, demonstrating expertise in solving complex problems across web development, AI, and cloud deployment.