

# Yasasvi Gumma

## Applying for: Software Engineer

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## Summary

Spearheaded the development of 32+ scalable web and mobile applications using self-taught full-stack skills, delivering solutions with a focus on accessibility, automation, and optimized cloud systems for diverse clients.

## Education

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

## Professional Experience

<b>Independent Developer &amp; Freelancer</b>	2019 – Present
<ul style="list-style-type: none"><li>Developed 32+ scalable web applications with Go, JavaScript, and PostgreSQL, integrating PWA for mobile flexibility and engagement. Optimized CI/CD pipelines and reinforced VPS security best practices to ensure scalability and resilience.</li></ul>	
<b>Project Contributor</b>	2019 – 2022
<ul style="list-style-type: none"><li>Collaborated on multiple academic projects, leveraging React and Python to build functional prototypes and streamline data processing.</li></ul>	

## Showcase Projects

### Projects

- **Blood Transmutation**  
AI-driven blood composition analysis system, handling ~100 cases/day with sub-500ms latency for rapid insights.
- **Echo Flow**  
AI-powered assistant for disabled users, managing 500+ interactions/day with ~50MB RAM/query and sub-800ms latency.
- **Tweet Analysis Tool**  
Real-time sentiment analysis tool, processing ~1,000 tweets/day with 95% accuracy and sub-300ms latency.
- **Medical Assistant**  
Novel AI symptom diagnostic engine processing ~200 assessments daily, operating with a lean resource envelope of ~75MB RAM per session.
- **Bank App**  
Web & CLI banking system handling ~50 transactions/day on SQLite with ~5MB RAM/operation.

## Deployment

- Orchestrated a cost-effective Linode VPS setup for fast and reliable performance.
- Optimized resource usage, maintaining  $\leq 8\%$  CPU,  $\sim 300\text{MB}$  RAM, and  $< 2\text{GB}$  storage.

## Technical Highlights

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**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.

## Expertise & Capabilities

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### Soft Skills

- **Strategic reasoning & Versatility** – 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**, resource management.
- **Growth Mindset** – Committed to **continuous improvement**, tackling challenges, and thriving in collaborative spaces.

### Core Skills

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

## Technology Toolkit / Tech Stack

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**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.

**Summary :** The DRAG stack fuses avant-garde Docker, hyper-reactive Redis, lightweight Alpine.js, and high-octane Go to power agile digital ecosystems.

**Optional tools :** Tailwind CSS, HTMX, SQLite, MongoDB, PostgreSQL, Ansible, GitHub Actions

## Additional Info

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**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.