

# TUSHAR A

Bangalore, India

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## PROFESSIONAL SUMMARY

Results-driven **Systems Engineer** and Entrepreneur with **3+ years of experience** architecting distributed infrastructure and high-availability systems. Proven track record of scaling digital platforms to **10,000+ users** by leveraging enterprise Linux environments, Docker orchestration, and automated DevOps workflows. Currently specializing in AI/ML and available for **immediate, full-time opportunities** until June 2026.

## TECHNICAL SKILLS

**Infrastructure & DevOps:** Linux (Ubuntu/CentOS), Docker Containerization, Pterodactyl Panel, Bash Scripting, Nginx (Reverse Proxy), UFW/Fail2Ban.

**Networking & Security:** DNS Management (Cloudflare), Mailcow (SPF/DKIM/DMARC), SSL/TLS Termination, DDoS Mitigation.

**Database & Stack:** MySQL/MariaDB Optimization, LAMP Stack, Python, C++, Java.

## PROFESSIONAL EXPERIENCE

### Witchly.host

Remote

Founder & Lead Systems Administrator

2021 – 2024

- Founded and engineered a high-performance game hosting ISP, scaling infrastructure to support **10,000+ registered users** with zero external funding.
- **Infrastructure Architecture:** Architected a distributed server fleet on bare-metal Ubuntu (Hetzner Cloud), optimizing kernel parameters to sustain **99.9% uptime** under high-concurrency workloads.
- **Container Orchestration:** Engineered isolated game environments using **Docker and Pterodactyl**, implementing Cgroup resource limits to ensure tenant isolation and prevent resource contention.
- **Security Engineering:** Fortified system security by configuring UFW firewalls and Fail2Ban jails, successfully mitigating volumetric **DDoS attacks** and unauthorized SSH access attempts.
- **Email Deliverability:** Deployed a self-hosted **Mailcow** stack; configured complex DNS authentication (SPF, DKIM, DMARC, PTR) to achieve **10/10 deliverability** for critical transactional emails.
- **Technical Operations:** Resolved complex L2 technical escalations involving packet loss, MySQL database corruption, and Linux permission errors, reducing mean time to resolution (MTTR).
- **Product Strategy:** Spearheaded the development of a custom billing dashboard by leading an external development team and overseeing REST API integrations.

### VioletVault.in

Bangalore

Head of E-Commerce Operations

Jan 2025 – Present

- Orchestrating end-to-end supply chain operations for a D2C beauty brand, reducing fulfillment latency through optimized vendor logistics.
- Streamlining the technical stack by integrating **Razorpay payment gateways** and automating order processing workflows via Shopify APIs.
- Executing data-driven market analysis to identify high-margin product trends and optimize inventory turnover.

## EDUCATION

### Presidency University

Bangalore, India

B.Tech in Computer Science and Engineering (AI & ML)

Expected Graduation: 2028

- **Status:** Currently on a strategic academic gap year; available for immediate full-time employment.
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Computer Networks, DBMS.

## ADDITIONAL VENTURES

### SpookyDrip.shop | Co-Founder

- Launched and scaled a niche e-commerce platform; led digital marketing campaigns and community engagement strategies before a strategic exit.