Suryanshu

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EDUCATION

Vellore Institute of Technology   Vellore, Tamil Nadu
Bachelor of Technology in Computer Science and Engineering — CGPA 8.74   *Sep. 2022 – Ongoing*

WORK EXPERIENCE

UI/UX Design Intern   May 2024 – July 2024
PhPPoets Pvt. Ltd.   *Udaipur, Rajasthan*

- Created 7+ custom icon packs and 3 responsive landing pages, delivering pixel-perfect designs for enterprise clients across multiple industries
- Developed end-to-end mobile application designs including user research, wireframing, prototyping, and usability testing for 2 client projects
- Designed and iterated 11+ high-fidelity prototypes using design thinking principles to enhance user experience and improve conversion rates
- Completed two case studies with direct feedback from client

PROJECTS

Hulaki | *Go, Cobra, Fang, Bubbletea, TUI, API Testing, HTTP, GraphQL, gRPC*   June 2025 – Present

- Developed high-performance terminal-native **API testing platform** using **Go** and modern CLI frameworks, delivering **3x faster** testing workflows compared to traditional GUI tools while reducing memory footprint by 80%
- Crafted intuitive **Terminal User Interface** with **Bubbletea** framework, featuring real-time syntax highlighting, interactive response visualization, and seamless keyboard navigation for enhanced developer experience
- Implemented comprehensive **multi-protocol support** spanning **RESTful APIs**, **GraphQL** queries, and **gRPC** services with advanced features including request chaining, environment variables, and automated test collections
- Designed modular CLI architecture using **Cobra** command framework and **Fang** HTTP client, enabling extensible plugin system

We Go Wayback | *Go, Asynq, Redis, Go-Chi, Statsd, WaybackMachine*   May 2025 – June 2025

- Ported the **wayback-discover-diff** tool in **Go**, improving performance and modularity by 57%
- Built a high-performance **SimHash** calculation module for web page similarity detection, processing archived content from the Wayback Machine with optimized algorithms
- Integrated **Asynq** for managing jobs with **Redis** as backend and go routines for concurrency
- Achieved 100% portability and complete unit test coverage

WebMellon | *Next.js, NextAuth, Jotai, Shadcn, Prometheus, Grafana, Docker*   May 2025 – June 2025

- Created a full-stack bookmark aggregator and RSS reader using **Next.js**, capable of parsing feeds from YouTube, WordPress, and major news sources
- Implemented secure OAuth authentication system using **NextAuth.js** with Google and GitHub providers, ensuring scalable user management and data protection
- Deployed containerized infrastructure using **Docker** and automated CI/CD workflows with **GitHub Actions**, reducing deployment time by 60%
- Established comprehensive monitoring infrastructure using **Prometheus** for real-time metrics collection and **Grafana** for data visualization and performance analysis
- Optimized application performance by 40% through **React compiler** implementation, code splitting, and advanced rendering techniques

TECHNICAL SKILLS

Languages: Golang, Typescript
Web Development: React, Next.js, SvelteKit, Hugo — Frontend Frameworks
Backend Technologies: Golang, Hono, Express, gRPC, REST APIs —API Development
Databases: PostgreSQL, Redis, Mongo — Database Management
DevOps & Tools: Docker, Git, GitHub Actions — CI/CD Pipeline
Cloud & Monitoring: AWS, Prometheus, Grafana — Cloud Computing
Protocols: GraphQl, WebSockets, WebRTC
UI/UX Design: Figma, Lottie — User Interface Design