

# SOMNATH U

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## Education

### Dayananda Sagar College of Engineering

Bachelor of Science in Computer Science

Nov. 2022 – Present

Bangalore, KA

### Bishop Cotton Boys' School

ICSE and ISC

2015 – 2022

Bangalore, KA

## Technical Skills

**Languages:** Dart, Python, Javascript, Typescript, Go, Solidity, PHP

**Frameworks:** Flutter, FastApi, NextJs, ExpressJs, Fiber, Gin, Laravel

**Developer Tools:** VS Code, Android Studio, GitHub, AWS, Docker, Kubernetes, WordPress

**Others:** OOPS, SOLID Principles, Cloud, SQL, NoSql

## Experience

### Win Research Centre (WRC)

Full Stack Developer, Team Leader — Go, Python, Flutter

May 2025 – Current

Bangalore, KA

- Collaborated with cross-functional teams to deliver secure and efficient services on tight deadlines.
- Developed transcoding microservice pipeline using python and ffmpeg for Adaptive bitrate streaming.
- Managed a small engineering team; set up CI/CD pipeline for app deployment and version control.

### Fit Choice World

September 2024 – Current

Full Stack Developer, Team Leader, Freelance — Flutter, ExpressJs, NextJs

Remote

- Architected a scalable backend system and database schemas, ensuring seamless integration and future growth.
- Developed and deployed APIs, Web and the app to play store and app store successfully.
- Integrated payment gateways and also enhanced the performance of the software.

### Yoga Clan

April 2024 – October 2024

Full Stack Developer, Freelance — Flutter, NextJs

Remote

- Structured and maintained the app's codebase using design patterns and SOLID principles for better readability and maintainability.
- Debugged and optimized the code to ensure a bug-free environment and enhance performance.
- Assisted in UI/UX, incorporated new features to improve app functionality and also integrated payment gateways.

### Zylu Business Solutions

July 2022 – September 2025

Product Engineer, Hybrid — Flutter, Vue, Laravel, Blade, WordPress

Bangalore, KA

- Built and maintained scalable cross-platform applications using Flutter, Vue, Laravel, and WordPress, improving product performance and reliability across mobile and web.
- Automated many workflow systems, optimized app performance, and implemented reusable components to enhance development efficiency.
- Collaborated with UI/UX and backend teams to deliver production-ready features, refactor codebases, and ensure seamless, high-quality user experiences.

## Projects

### SentinelAI | Go, AWS, CloudTrail, RAG AI, Next.Js

- Real-time Cloud security platform that detects misconfigurations and auto-generates fixes using AI.
- Integrated RAG-based LLM pipeline trained on CIS Benchmarks for contextual risk explanation and patch suggestions.
- Built a dynamic security graph UI for risk visualization using Next.js and Mermaid.js.
- Automated remediations via AWS SDK and GitHub PRs with secure fixes.

### Hookit | Go, GoFr, NextJs

- SaaS platform for automating business workflows, handling data parsing and transformation across multiple formats (CSV, SQL, NoSQL).
- Integrates campaign form data(e.g., Meta Leads) with real-time triggers and no-code iframe tools for non-developers.
- Provides developers flexibility with workflow customization, webhooks, and real-time sync for seamless automation.

### Trash Trace | Flutter, Flask, Jinja2, NextJs, C++

- A complete platform built for effective waste management.

- TrashTag: Incentivized Disposal with IOT Integration (Arduino, ESP8266).
- BinOcculars: Find nearby Dustbins.
- ReCyclX: Doorstep Recyclable Material Collection Service and more.

#### **ChETHFunds** | *NextJs, Solidity, Ganache, Viem, Hardhat*

- Decentralized chit fund eliminating central management using blockchain.
- Automated fund operations with Solidity smart contracts and Viem wrapper.
- Designed responsive UI with interactive features for smooth user experience.

#### **Leadership / Extracurricular**

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- **Bytexync** Lead & Tech Lead (DSCE)
- **Oscode** Tech Team Member (DSCE)

#### **Achievements**

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- Achieved 1st Place in Appify 2024 by BMS College of Engineering
- Achieved 1st Place in HackOasis 2024
- Special mention in GoFr.dev hackathon
- Achieved 3rd Place in HackRefine 2024