

SOMNATH U

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Education

Dayananda Sagar College of Engineering

Bachelor of Engineering in Computer Science

Nov. 2022 – Present

Bangalore, KA

Technical Skills

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

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

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

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

Experience

NeoSapien

Nov 2025 – Jan 2025

Full Stack Developer , Onsite – Python, FastApi, Kafka, Flutter

Bangalore, KA

- Developed BLE-based Flutter features and integrated Google & Microsoft Calendar APIs.
- Built user api's and Kafka + FastAPI memory generation pipeline.

Win Research Centre (WRC)

May 2025 – Current

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

Bangalore, KA

- Led development of an adaptive bitrate video transcoding microservice using **Python & FFmpeg**.
- Built scalable backend services with **Go and Python**, applying system design best practices.
- Managed a small engineering team and set up **CI/CD pipelines** to deliver secure, efficient releases.

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, Next.js

Remote

- Developed and maintained a Flutter–Next.js application using SOLID principles.
- Optimized performance, fixed bugs, and improved UI/UX with payment integration.

Zylu Business Solutions

July 2022 – September 2025

Product Engineer, Onsite — Flutter, Vue, n8n, JavaScript, Laravel, WordPress

Bangalore, KA

- Owned end-to-end development across mobile, web, and backend systems, expanding from Flutter into CI/CD, operations, workflow automation, and AI-driven integrations based on customer and business needs.
- Built and automated customer workflows including CRM, sales automation, AI agents, and third-party integrations using n8n, APIs, and GitHub Actions, significantly improving onboarding and operational efficiency.
- Worked closely with customers, support teams, and leadership to diagnose production issues, build proof-of-concepts, and ship scalable solutions from idea to production.

Projects

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

- Real-time cloud security platform detecting misconfigurations and auto-generating fixes using AI.
- Built RAG-based LLM pipeline trained on CIS Benchmarks for contextual risk analysis and patch suggestions.
- Automated remediations via AWS SDK, security graph visualization, and GitHub PR-based fixes.

Hookit | Go, GoFr, NextJs

- SaaS workflow automation platform supporting CSV, SQL, and NoSQL data parsing and transformation.
- Integrated campaign lead sources (e.g., Meta Leads) with real-time triggers and no-code iframe tools.
- Enabled flexible workflows using webhooks, real-time sync, and developer-friendly customization.

eSRL – Self-Regulated Learning through Gamification | Python, RAG AI, LLMs, React, Node.js, manim, Phasor.js

- AI-driven educational platform that transforms static PDFs into interactive videos and gamified learning modules.
- Implements a RAG-based pipeline with LLMs to support self-regulated learning through planning, monitoring, and reflection.

Leadership and Achievements

- Leadership** ByteSync Lead and Tech Lead, Oscode Tech Team Member (DSCE)
- Achievements** Winner–Appify 2024, HackOasis 2024 |3rd–HackRefine 2024 |Special Mention–GoFr Hackathon