

Nathan Paul

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EXPERIENCE

Backend Developer, Phase-R

Jan '25 – Present

- Implemented hydration and nutrition tracking features using **Go** and **Gin**.
- Tested API endpoints, tracking and data ingestion. **MongoDB**

Developer, ACM Industrial Experience Program

Feb '24 – Apr '24

- Part of the team that built **anna**, a static site generator in Go
- Achieved **284.5 ms** render time for 1000-file [benchmark](#), outperforming Hugo and 11ty
- Created a sitemap generator, RSS feeds, and an interactive tag graph powered by D3.js
- Set up CI/CD pipelines and theme bootstrapping
- Delivered a talk at the [76th](#) Go Bangalore meetup.

SKILLS

Languages: Go, Python, Bash, C, Nix, CSS

Technologies: Git, Docker, GNU/Linux, Vim, Observability

Writing and Communication: Blogging, \LaTeX , Free Software Documentation

PROJECTS

- [anna](#): Lightning-fast static site generator written in Go.
- [py-typer](#): A speed typing test written in Python.
- [jukebox](#): Queue LastFM music recommendations using mpd, yt-dlp, and Python.
- [lava](#): Node daemon that periodically saves bookmarked articles to your Obsidian vault.
- [pasta](#): Minimal pastebin service written in Go.
- [bullet](#): Collate similar articles from various RSS feeds using cosine similarity.

EDUCATION

B.Tech in Computer Science & Engineering, PES University

2023 - 2027

ISFCR Dean's Award: Ranked 6th out of 250 participants in a jeopardy-style CTF.

HSP PESU

- Maintained the new club [website](#). (Now powered by anna)
- Mentor panel for [psh](#), a POSIX-like shell.
- Presented [jukebox](#) and [anna](#) at HSP Mentor Expo and Fireside Talks.

ACM PESU

- Maintainer Lead for Hacknight 6.0.
- Technical Mentor at various workshops.

GDSC PESU

- Hosted a workshop [FOSS 101](#)
- Designed Team, Override: GDSC Solutions Challenge hackathon.

MISC

[Videos](#) YouTube channel focused on tech, privacy, and libre software.

[arceo](#) Blocklist against social media, news, and consumerism.

[Ammachis Kathas](#) Malayalam short stories (audiobook)

 Last build: January 18, 2025