Nathan Paul

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EXPERIENCE

Developer, ACM Industrial Experience Program   Feb '24 - Apr '24

- Worked in a team of 4 to build a static site generator in Go called **anna**
- Developed features such as a sitemap generator, atom feed, and d3.js Obsidian-like graphs.
- Collaborated on building a setup wizard, bootstrapping themes, and improving CI/CD build pipelines.
- Achieved a build time of 284.5 ms for a 1000-file render benchmark, outperforming Hugo and 11ty.
- Delivered a talk about anna at the Go Bangalore meetup.

EDUCATION

B.Tech in **Computer Science & Engineering** (ongoing), **PES University**   2023 - 2027

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

- **HSP PESU: Technical Mentor**
  - Mentored participants in building psh, a POSIX-like shell.
  - Helped maintain the new club website.
  - Delivered talks on **jukebox** and **anna** at the HSP Mentor Expo and Fireside talks.
- **ACM PESU: Member**
  - Maintainer lead, helped organize Hacknight 6.0
  - Helped fix CI-tooling and maintain the new club website.
  - Mentored participants at various workshops at university.
- **GDSC PESU: Member**
  - Part of the design-team, that helped organize the Override hackathon.
  - Delivered a talk – FOSS 101

SKILLS

Computing	C, Python, Git, Go, BASH, Docker, Vim, GNU/Linux, Nix, Observability
Writing	Blogging, LaTeX, Technical Writing, Free Software documentation
Privacy/Security	Self-hosting & decentralization, OSINT at CTFs

PROJECTS

anna	Lightning fast static site generator written in Go
psh	A fancy POSIX like shell written in C
py-typer	A speed typing test written in Python
jukebox	Listen to your LastFM music recommendations using mpd, yt-dlp & python
pasta	Simple pastebin service written in Go
bullet	Collate similar articles from various RSS feeds using cosine similarity
videos	I produce YouTube videos about tech, privacy & libre software
arceo	A blocklist against social media, news, entertainment & consumerism
Ammachis Kathas	Malayalam short stories (an audiobook)