

# ANIRUDH SUDHIR

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Github: <https://github.com/anirudhsudhir>

## EDUCATION

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### Bachelor of Technology, Computer Science

2023 - 2027

PES University - CGPA: 9.86

Bangalore, India

Awarded the MRD scholarship for one semester for academic excellence.

## SKILLS

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**Languages** C, Go, Python, SQL, HTML, CSS

**Technologies** Git, Github, MySQL, SQLite

## EXPERIENCE

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### Developer

Mar 2024 - Present

ACM Industrial Experience Program

- The ACM Industrial Experience Program is an annual mentorship program, where the development pipeline used in the industry is emulated for a variety of projects.
- Developed the initial version of [anna](#), a static site generator implemented in Go, with markdown rendering, templating and site serving.
- Led and collaborated in the development of features such as tags, search index generator, profiling and live reload.
- Co-led a TDD-backed rebuild of the entire project to improve performance and maintainability.
- Achieved a time of 320ms for rendering a site with over 1000 markdown files.

### Mentor

Oct 2023 - Present

HSP - Hackerspace PESU ECC

- Technical Mentor at HSP, a student-run developer community with an open-source wing.
- Assisted in the organisation and conduction of various workshops and events held by the community.
- Delivered talks on the projects [Qapture](#) and [anna](#) at the HSP Mentor Expo and Fireside Talks respectively.

### Member

Sep 2023 - Present

ACM PESU ECC

- Technical Mentor at the student chapter of the ACM at PES University Electronic City Campus
- Assisted in the conduction of various club events.

## PROJECTS

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**Bingo:** Bingo is a Golang-based pastebin featuring middleware, dependency injection, sessions and data persistence to a MySQL database. It utilises Go's default templating engine to perform server-side rendering of the site.

**Spidey:** Spidey is a multi-threaded web crawler built in Go. During a run, Spidey discovered 26,000 links in under 2 minutes (including static asset links), starting with seven seed URLs.

**Qapture:** Qapture is a C-based command line tool to recover deleted JPEGs from a forensic RAW image. It uses JPEG file markers to extract the image content with minimal loss of metadata.

**Sqlite:** A partial clone of SQLite written in C. It reads and writes entries to a table with preset fields, along with reading and flushing of the data to disk.