

Aditya Hegde

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SUMMARY

I am a undergrad computer science engineer studying in PES University. I have a huge interest in system level projects and working with distributed systems, networking and databases. As a fresher I am still exploring new concepts to challenge myself.

EDUCATION

PES University ECC (GPA: 9.32/10.0) (2023 - present)

- Perusing B.Tech in *Computer Science Engineering*
- Awarded *CNR-Rao* Scholarship for Chemistry Cycle

New Horizon Gurukul (95%) (2015 - 2023)

- Recieved distinction in CBSE PCMC stream

SKILLS

Languages Python, C, Go lang, Html, CSS

Technologies Go, MySQL, Sqlite, Docker

EXPERIENCE

Devloper Mar 2024 - Apr 2024

Partaken in ACM's 6 week industrial program organised by the student club.

- The program provided a platform to develop an industrial level application, and learn from working as a team to create a solution from a problem statement in the given timeframe.
- Worked in a team of 4 in building a static site generator purely written in go
- Achieved industry level benchmarks of 1.9sec generation for over 4000md files
- Collaborated on working on features such as back-links, TDD rebuild, indexing, Deep Data Merge

Mentor Oct 2023 - present

ACM PESUECC Student Chapter

- Part of the technical mentor and designing team
- Assistance in organising club activities
- Completed the 6 week industrial experience program - AIEP

Mentor Aug 2023 - present

HSP PESUECC

- Part of the technical mentor and designing team
- Assistance in running club activities
- Presented projects in the project expo and fireside talks

PROJECTS

Meerkat

[Link to Demo](#)

A distributed peer-to-peer network enabling data synchronisation between all nodes. It is made to provide a communication base for future projects such as a decentralised text editor or file synchronisation system

Anna

[Link to Demo](#)

A blazing fast static site generator written in go. The goal was to provide a feature rich ssg while beating industry standard benchmark render times.

xkcd-grab

[Link to Demo](#)

A unique cli application with fuzzy matching, web scraping and using local LLM to summaries xkcd comic snippets from images alone

Yake

[Link to Demo](#)

A minimal programming language written in C, making users perform arithmetic and printing operations with pointers

Net Nest

[Link to Demo](#)

A machine learning model providing for hate speech analysis for social media filters. The demo for the application demonstrates its working along with a simple local hosted chat application.