Aditya Hegde

 github | linkedin | website | adityahegde.clg@gmail.com | +91 97415-13348

Summary

I am an 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 (9.00/10.00)   (2023-present)
- Pursuing B.Tech in Computer Science Engineering
- Awarded CNR-Rao for three semesters

New Horizon Gurukul (95%)   (2015-2023)
- Recieved distinction in CBSE PCMC stream

Skills

Languages	C, GoLang, Rust, Python, Html, CSS, Javascript
Technologies	Git, MySQL, Sqlite, Docker, CI/CD

Experience

PES Innovation Lab   Jun 2025 - present
Project Intern

Twospoon.ai   Apr 2025
Project Intern

Worked on building the framework for a abstracted orchestrator service for Proxmox for controlling lifetimes of servers. Project spanned 2 weeks

HSP PESUECC   Jun 2025 - present
Core Team Lead

Mentor   Sep 2023 - May 2025
- Presented projects in talks and was part of the mentor panel for Tilde 3.0
- Part of the team to build (event loop) for handling event checkpoints

ACM PESUECC Student Chapter   Aug 2023 - present
Mentor
- Completed the 6 week industrial experience program - AIEP
- Worked on the core functionality of the backend(bunsamosa-bot)

Developer   Mar 2024 - Apr 2024

Participated in ACM's 6 week industrial program organised by the student club. Worked in a team of 4 in building a static site generator purely written in Go.

Projects

mu-bonda   [Github]

(WIP) MPCA(Micro-processor and Computer Organization) Project focused on building a kernel space KV store specifically for raspberry pi 5

forklift   [Github]

A buffer pool manager written in rust

Quaso   [Github]

A from scratch implementation of the [Raft Consensus Algorithm](#) to handle consensus over a generic log. Built on top of [tokio.rs](#) an async runtime.

Meerkat   [Github]

(WIP) A distributed peer-to-peer, written in Golang network enabling data synchronisation between all nodes. It is made to provide a communication base for future projects

Anna   [Github]

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

yake   [Github]

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

Net Nest   [Github]

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

Contributions

bunsamosa-bot   [Github]

The official bot for ACM PESUECC Hacknight events

eventloop   [Github]

The goal of the project was to make overnight event checkpoint keeping automated. Worked on bringing up the backend and a bit of the frontend

Saturn   [Github]

Forked from [anirudhRowjee/saturn](#) . Saturn is an in-memory timer daemon that waits for sometime and sends an HTTP request when it's done.