

ANGAD BHALLA

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sayhi@angadbhalla.com linkedin.com/in/anga github.com/Anga205 Portfolio (anga.codes)

Education

PES University

Bachelor of Technology in Computer Science & Engineering

August 2023 – August 2027

Bangalore, Karnataka

Professional Experience

PESU I/O

Subject Matter Expert – Competitive Programming

August 2025 – November 2025

Bangalore, Karnataka

- Taught a competitive programming course to a class of 55 students, covering data structures and algorithms, graph theory, and contest strategy.

IEEE Computer Society Bangalore Chapter

Student Intern

April 2025 – September 2025

Bangalore, Karnataka

- Completed a 6-month research internship, developing a proof-of-concept blockchain voting system designed to ensure transparency, verifiability, and tamper-proof elections under the IEEE CS IAMPro'25 program.

Center for Robotics, Automation and Intelligent Systems

Remote Robotics Intern

June 2025 – July 2025

Bangalore, Karnataka

- Created a Web Interface to remotely control, code & kill supported microchips (ESP32, STM32, Arduino UNO&Mega)
- Developed a scalable video streaming service to maximize video stream quality while maintaining < 300ms latency

Vanishing Inc.

Web Developer

November 2024 – February 2025

Remote

- Contracted to modernize outdated web pages by rebuilding the frontend in Next.js with React and Tailwind, adhering to codebase guidelines, and optimizing DOM structure to improve performance and user experience.

Frigga Cloud Labs Pvt. Ltd.

Software Development Engineering Intern

July 2024 – July 2024

Bangalore, Karnataka

- Engineered a layered encryption protocol requiring mutual authorization from client and company for file access or modification, ensuring security unless both parties are compromised.

Projects

Cloud Storage Platform (AngaDrive) | Golang, SolidJS, SQL

https://github.com/Anga205/AngaDriveV3

- Built a high-performance cloud storage platform with real-time UI updates using WebSockets
- Production-deployed (with **100+ active users**) on a Raspberry Pi to showcase its lightweight design, outperforming upload speeds on Google Drive by 11–29% and Dropbox by 75% in performance benchmarks.

Custom Operating System (AngaOS) | x86 Assembly, C

https://github.com/Anga205/AngaOS

- Developed a basic OS kernel and bootloader using x86 Assembly and C, capable of booting in QEMU with manual memory management and hardware interfacing.
- Built as a learning project to deepen understanding of OS internals, CPU architecture, and bare-metal development.

Serverless Leetcode Progress Tracker | Java, ReactJS

https://github.com/Anga205/Leetcode-Tracker

- Web app that tracks LeetCode progress for me and my friends; uses GitHub Actions to fetch data from the LeetCode API and auto-deploy updates to Vercel for a fully hands-off serverless setup.

Leadership / Extracurricular

Team Alcoding (The Competitive Programming Club)

Club Head

August 2024 – April 2025

PES University

- Hosted technical workshops on various programming essentials like containerization and competitive programming
- Designed and hosted 12+ competitive programming contests with 100+ participants each.
- Oversaw 150+ attendees & led end-to-end execution of the club's flagship annual 24hr hackathon – Terrathon 4.0, including judging, ops, and tech setup.

Technical Skills

Languages: Python, C, JavaScript (and TypeScript), Golang, Java, x86 Assembly, Bash

Web & Frameworks: React, Solid, Node.js, Express.js, Astro, Tailwind, Django, Flask, FastAPI, Gin, Reflex, Svelte

Databases: MySQL, CockroachDB, SQLite, PostgreSQL, MongoDB, Redis

Tools & Platforms: Git, Linux, REST APIs, AWS-cli, Docker, Github-Actions, Shell Scripting

AI/ML & Vectorization: RAGs, Langchain, Qdrant, Gemini API

Achievements

First Place – IEEE Hackathon: won a 24 hr hackathon by building a custom minimal ASL interpreter on a raspberry pi

Second Place – Arch Hackathon: runner's up position in a 24 hr hackathon with a health tech & AIML project

Top 3% Finalist: GitHub & Sarvam AI's 24 hour Great Bengaluru Hackathon (5000+ contestants nationwide)

Leetcode Stats: Top 0.58% global ranking on LeetCode (Guardian, 2,287 rating) with 575+ challenges solved.

Open Source Contributions: 1100+ Contributions and 6 Badges on Github.