PRATHAM THAKKAR

Computer Science & Engineering Undergraduate at IIIT Hyderabad

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EXPERIENCE

Web App Developer
TheAtom
📅 Jan 2023 – April 2023   📍 Remote

- Developed a Web App for TheAtom's (a startup) CMS team, **automating the process of creating and editing meditations**. Streamlined workflow resulted in time savings for the CMS team and increased productivity in generating meditations.
- Tech stack used: **ReactJS | Typescript | Airtable database**

PROJECTS

Grredit   [github]

- Designed and developed a **dockerized web portal utilizing Nginx**, emulating the core functionalities of the renowned social media platform Reddit. Implemented robust features including user authentication and registration, post management, page creation, follower system, and moderator privileges, etc.
- Tech stack used: **ReactJS | ExpressJS | NodeJS | MongoDB | Nginx**

Linux Shell   [github]

- Implemented an interactive user defined bash-like shell in **C**, leveraging **Linux system calls**. Developed features including support for semicolon-separated command lists, **I/O redirection, piping, process management, and signal handling**.
- Tech stack used: **Operating Systems | C | Makefile**

Codeforces Visualiser   [github]   [Live Link]

- Developed a system enabling **comprehensive visualizations** of the data from the Codeforces platform. The system can empower competitive programmers to **analyze trends and patterns** in the field of competitive programming. The findings were presented through **interactive scrollytelling**, facilitating engaging exploration of the data analysis.
- Tech-stack used: **D3.JS | HTML | CSS | JavaScript**

Olympics Database   [github]

- Developed a **Command Line Interface (CLI) using Python and SQLite** to interact with an **SQL database** containing comprehensive information about past Olympics.
- Tech-stack used: **Python | MySQL**

Xv6 OS   [github]

- MIT's Xv6 Operating System was enriched with several **new scheduling algorithms** (e.g. **FCFS, Priority-based and Multi-level Feedback Queue, etc.**). A couple of new **System Calls** were also added in the existing Xv6.
- Tech-stack used: **Operating Systems | C | Makefile**

EDUCATION

B.Tech in Computer Science & Engg.
📅 Oct, 2021-July, 2025   📍 IIIT Hyderabad

CGPA: 9.48/10

Selected in **Dean's List** for academic excellence in all the semesters (**top 5-10%** of a batch)

ACHIEVEMENTS

- **ACM-ICPC regionalist**: India **Rank 61** in the online round out of 3K teams. **Ranked 19 in Kanpur regionals**, and **Ranked 35 in Pune-Gwalior regionals**
- Rated **1961** (Candidate Master, top 200 India) on **Codeforces** (Handle: **ppt1524**) and **5 star** on **Codechef** (Handle: **ppt1524**)
- India **Rank 1** in Codeforces round 875 (Div.2) and Codechef's Starters 94 (Div.2)
- **Facebook Hackercup 2022 and 2023**: Advanced to Round 2 (among **top 5%**)
- JEE Main: **AIR 210** from more than 1 million candidates (among top 0.01%)
- JEE Advanced: **AIR 789** from more than 200K participants (among top 0.4%)
- Qualified KVPY SX conducted by IISc Bangalore, **INCHO** (**nation top 1%**), **INAO** and **RMO** conducted by HBCSE in 2020-2021

POSITION OF RESPONSIBILITY

Admin of Programming Club IIITH
- Taking educational meets on competitive coding and organizing coding competitions.
- Involved in preparation of various programming contests like **Codecraft**, **Decode** and several others which attract more than 20K participants globally.

TECHNICAL SKILLS

Proficient

C   C++   MySQL   JavaScript   TypeScript

Familiar

Python   MongoDB   ReactJS   NodeJS   ExpressJS   D3.JS   Docker