

Abhiram G P

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Education

International Institute of Information Technology, Hyderabad

M.Tech in Computer Science and Engineering 8.71 CGPA

Hyderabad, Telangana

2022–2024

College of Engineering, Thiruvananthapuram

B.Tech in Mechanical Engineering 8.27 CGPA

Thiruvananthapuram, Kerala

2016–2020

Experience

Nbyula

Software Engineering Intern

Bangalore, Karnataka

May 2023–July 2023

- Developed an efficient program finder tool. Scraped the web (used Scrapy, BeautifulSoup and Selenium) to collect and organise data. Enabled rapid searches across 2,85,000+ courses via a user-friendly web interface by integrating algolia-search.
- Implemented OpenSearch from the ground up, enhancing search functionality and delivering improved search result accuracy. Generated impactful search results that significantly enhanced user experience and information retrieval efficiency.
- **Technologies:** NestJs, ReactJs, Docker, Opensearch, Algolia, MongoDB, Scrapy, BeautifulSoup, Selenium, Git

Envestnet

Product Development Engineer

Kowdiar, Kerala

Sep 2020–Sep 2021

- Worked as full stack developer.
- Used Java Springboot framework for the backend and worked on the frontend with Reactjs
- **Technologies:** Spring Boot, ReactJs

Ethereum.org

Contributor

- Have contributed to Ethereum.org website by working on their UI migration. Worked on migrating some of their components to Chakra-UI.
- **Technologies:** React.js, Gatsby.js, ChakraUI


Projects

 **Mini BitTorrent**

- Designed and implemented a group-based file sharing system enabling users to securely share and download files within their respective groups.
- Developed a parallel download mechanism using multiple pieces from multiple peers, enhancing download efficiency.
- Utilized SHA1 hash verification to guarantee the integrity of each downloaded chunk.
- Implemented fault tolerance and load balancing by deploying dual trackers.
- Engineered advanced piece selection algorithms, including Random First and Rarest Piece First, optimizing the process of downloading files from peers.

 **Terminal File Explorer**

- Made a File Explorer in Linux Terminal using C++.
- It provides Normal and Command Mode.
- In normal mode we can navigate through the directories and open files in vi. In command mode commands such as copy, move, rename, create, delete, search and goto can be executed.

 **Kaooa Board Game**

- Made a board game called Kaooa in Reactjs. Used THREE.js library to render 3D objects and add sound effects to the game.

Skills

Languages: C, C++, Java, Javascript, Python, Shell, HTML, CSS

Miscellaneous: NestJs, Reactjs, Docker, MongoDB, Opensearch/ElasticSearch, ThreeJs, Spring Boot

Courses: Data Structures and Algorithms, Software Systems Development, Internals of Application Servers, Introduction to Natural Language Processing, Statistical Methods in Artificial Intelligence.

Acheivements

Secured 99.15 percentile in GATE-2022(Computer Science)

Kerala Startup Mission Ideafest 2019 Winner

Elected the Final Year Students Representative College of Engineering Trivandrum(2019-2020)