GARVIT GUPTA

Computer Science Engineering Undergraduate at IIIT Hyderabad

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EXPERIENCE

SDE Internship
Perceptive Analytics

📅 Jan 2024 - April 2024   ⚲ Hyderabad,India

- Developed a **Chrome extension** which detects user text typed in Telugu language on a webpage, providing predictive text suggestions for subsequent words using NLP model.
- Tech stack used: **JavaScript | Python | HTML | CSS | NGROK**.
- Code link: [github]   Demo video: [youtube]

PROJECTS

C-Shell
- Implemented a Bash-like command interpreter in C, featuring robust support for **process management, piping, redirection, signal handling,** and execution of both **built-in and system commands**.
- Tech Stack used: **C | Linux System Calls**
- Code link: [github]

Network File System (NFS)
- Developed a distributed file system in C, **utilizing concurrency, TCP protocols, persistence, and Linux kernel features**. Implemented a **client-server architecture** with a Naming server acting as a gateway, enabling seamless management of the file system. Key features included **Storage Server Recovery (SS Recovery), concurrent client access, and simultaneous file reading capabilities**.
- Tech Stack used: **C | Linux System Calls | TCP**
- Code link: [github]

CFLens
- CFLens is a Responsive Codeforces analyzer and visualization Website focused on user ratings, providing detailed statistics and comparisons. It offers insights into competitive performance and rating trends on the Codeforces platform.
- Tech Stack used: **D3.js | JS | Codeforces API**
- Code link: [github]   Website Link: [Link]

Music Website
- Melody Haven is a music website featuring diverse pages such as dynamic artist highlights, albums, artists, page. It allows users to manage their favorite tracks in a music cart and API-driven search function with explicit filtering capabilities.
- Tech Stack used: **HTML | CSS | JS | Python | Apple API**
- Code link: [github]

IPL Database
- Built a Command Line Interface (CLI) software for database management with proper entities, relations and functional requirements.
- Tech Stack used: **Python | DBMS | MySQL**
- Code link: [github]

Modified XV6
- Modified XV6 with FCFS , MLFQ , PBS Scheduling Policies and Copy On Write Feature in C.
- Code link: [github]

TECHNICAL SKILLS

C | C++ | Python | JavaScript | HTML | CSS
ReactJS | NodeJS | MongoDB | MySQL |
Bash | Git | Arduino IDE

EDUCATION

B.Tech. (CSE) - CGPA: 8.78
IIIT Hyderabad

📅 October 2022 – Currently

Class XII - 96.2%
LBS Public School, Jaipur

📅 2022

Class X - 92.0%
St. Anselm's Sr. Sec. School, Jaipur

📅 2020

ACHIEVEMENTS

- **Dean's List** Awardee **top 10-15%** of batch.
- **JEE Main :** AIR 1275 from more than 1 million candidates.
- **JEE Advanced :** AIR 2536 from more than 200K participants.
- Rated **1394** (Pupil) on Codeforces: garvit_gupta
- Rated **1731** (3 Star) on CodeChef: garvit-gupta955

COURSES

- Computer Programming
- Operating Systems and Networks
- Data Structures and Algorithms
- Algorithm Analysis and Design
- Design and Analysis of Software Systems
- Machine, Data and Learning
- Computer Systems Organization
- Probability and Statistics
- Automata Theory
- Data and Applications
- Data Visualization
- Software Programming for Performance