Archit Jain

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EDUCATION

IIIT HYDERABAD
B-TECH IN COMPUTER SCIENCE AND ENGINEERING
2019-2023 | CGPA: 8.5

SKILLS

LANGUAGES
C, C++, Python, JavaScript, Bash, HTML5, CSS

FRAMEWORKS
Flask, Bootstrap, React, React Native, Node, Django, FastAPI, Jquery

MISCELLANEOUS
MySQL, Git, MongoDB, MERN

COURSEWORK

Introduction to Software Systems
Data Structures and Algorithms
Operating Systems & Networks
Data and Applications

ACHIEVEMENT

JEE MAIN 2019: AIR 128
JEE Advance 2019: AIR 2128

LEADERSHIP ROLES

ASTRONOMY CLUB COORDINATOR
Organising and managing various events

STUDENT MENTOR
Manage a week-long online induction program for freshmen of batch 2020

EXPERIENCE

OPEN SOURCE CONTRIBUTER | COVIDTODAY
SINCE JULY 2020 | ReactJs
Worked as a Open-Source contributor for a multidisciplinary volunteer team on technology enabled response to the COVID19 pandemic in India.

OPEN SOURCE CONTRIBUTER | OSDG-IIITH
May 2020 – September 2020 | ReactJs, MongoDB, FastAPI
Contributed as a Full stack developer for my college's club website as a summer activity with a team of my batchmates under the mentorship of seniors.

PROJECTS

LINUX SHELL MONSOON 2020 | C

A command line interface based on the Unix Bash shell. Supports multiple commands per line, signal handling, and chained redirection and piping.

DATABASE DESIGNING MONSOON 2020 | Python, MySQL

A database-project in MYSQL and a CLI via python PyMySQL for a Hotel Management Company. It covers all CRUD operations on for all entities with Normalization.

MULTITHREADING EXAMPLES MONSOON 2020 | C

Used concepts of multithreading, mutex locks, semaphores and process synchronization to implement two real life systems:
- A system that simulates event management by having 3 distinct kinds of performers and multiple stages to perform. Also implemented timed wait.
- A system that simulates production of vaccine by multiple companies with different effectiveness, supplied to multiple zones which was used to vaccinate students arriving at random times.

MODIFYING THE XV6 OPERATING SYSTEM MONSOON 2020 | C

Tweaked the xv6 Operating System to add several new scheduling algorithms, namely first-cum-first-serve, priority-based and multi-level-feedback-queue, along with a couple of system calls

RIVER CROSSING GAME SPRING 2020 | PYTHON

Terminal based 2 player game like river crossing implemented using OOPS concepts. Has multiple stationary as well as moving obstacles like thorns and sharks with time countdown for scoring