

ARCHIT JAIN

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EDUCATION

B.Tech in CSE

IIIT HYDERABAD

2019 - 2023

CGPA : 8.46/10

SKILLS

Programming Languages

C C++ JavaScript Python

Bash HTML CSS

Frameworks

NodeJs ReactJs Express Django

Flask ThreeJs Bootstrap Pygame

Databases

MongoDb MySQL

Miscellaneous

Git Flutter Agile Methodology

Object-Oriented Programming jQuery

Firebase

COURSEWORK

- Data Structures and Algorithms
- Operating Systems and Networks
- Information Retrieval and Extraction
- Design and Analysis of Software Systems
- Database Management and Application
- Digital Image Processing

LEADERSHIP ROLES

CLUB COORDINATOR

Astronomy Club, IIIT Hyderabad

Organising and managing various club events.

STUDENT MENTOR

IIIT Hyderabad

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

ACHIEVEMENTS

Kick Start 2021 Round H 659th Rank

Codechef Rating 1647 (max)

JEE Main 2019 AIR 128

JEE Advanced 2019 AIR 2128

EXPERIENCE

PRODUCT LABS IIITH

Full Stack Developer | MERN Stack

June 2021 - Sept 2021

- Built a MERN stack based Health Care app, which enables medical organisations in data collection with the help of medical assistance as well as help patients to track their medical reports.
- Developed an admin side of the app which includes dashboard for data analyzation, dynamic form generation, creating session and added authentication for different categories of user as well as handle its weekly deployment on an Ubuntu Server.

BESTIE - Middleman

Android App Developer | Flutter, Firebase, Agora SDK, Nodejs

Feb 2021 - Apr 2021

- Created a Flutter-based Android app for a startup, through which users can call verified experts over the Internet to discuss specific topics listed.
- Developed bunch of features such as rating an expert, adding funds to the app's wallet, deducting call charges after disconnection, keeping user activity log, and an algorithm to match user and expert based on number of parameters.

COVIDTODAY - iCART

Frontend Developer | React, Material-UI

July 2020 - Sept 2020

- Open-Source contribution for tracking India's response to the COVID19.
- Improved website's frontend and to reduced delay in page rendering by implementing react lazy loading.

OSDG-IIITH

Full Stack Developer | React, MongoDB, Python, FastAPI

May 2020 - Aug 2020

- Designed database schema and also developed admin functionality like add an event on their website, upload multiple media files in the event gallery for my college's club website.

PROJECTS

WIKIPEDIA SEARCH ENGINE MONSOON 2021 | Python

Wrote code to compress any Wikipedia dump to an inverted index of 1/5th of its size. Can further process the index to return top matching results for any search query based on tf-idf score. Also supports field queries.

PEOPLE COUNTING ALGORITHM MONSOON 2021 | Python

Wrote an algorithm for counting number of people getting in or out of a bus using a recorded video by implementing motion estimation, harris corner detection and image segmentation.

CLICKBAIT SCORE & FAKENEWS DETECTION MONSOON 2021 | Python

Built a model to predict the clickbait intensity and further using it to improve the fake news detection model by using spaCy vectorizer, BERT transformer, multiple regression and classification algorithms and ensemble learning methods.

JOB PORTAL SPRING 2021 | React, MongoDB, Node, Express

A platform where job recruiters can post the jobs and applicants can apply for it and allow recruiters to shortlist/reject/accept their application based on applicant's skills and uploaded resume and rate them according to their work.

LINUX SHELL MONSOON 2020 | C

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

MODIFYING THE XV6 OPERATING SYSTEM MONSOON 2020 | C

Tweaked the XV6 Operating System to add several scheduling algorithms, namely first-cum-first-serve, priority-based and multi-level-feedback-queue, along with a couple of system calls.

DATABASE DESIGNING AND CLI MONSOON 2020 | Python, MySQL

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