PRIYANSHU SINGH

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EDUCATION

NIT TRICHY - B.TECH
Major in METALLURGY
Minor in COMPUTER SCIENCE
July 2017 - May 2021
Cum. GPA: 7.34/10

LINKS

Github:// **rEflxzR**
Hackerrank://**jAnzWE**
Trailhead://**qlimaxz**
CodeChef://**janzwe**

COURSEWORK

Data Structures and Algorithms
Database Management Systems
Cloud Computing
Operating Systems
Data Communications and Networks

SKILLS

PROGRAMMING
JavaScript • C/C++ • Python
Web Technologies:
Bootstrap • React • Node • Express • MongoDB • MySQL
Shell Scripting:
Bash • PowerShell
Tools:
Git • Linux • Jasmine Framework

EXTRA CURRICULARS

AAYAAM - CLUB PRESIDENT
AAYAAM - The Hindi Literature Club of NITT. Helped in Organizing 4 Events as Event Manager and 5 events as Club Representative while coordinating with other Teams. Also current Computer Support Group Head at the Club.

IGNITTE - EXECUTIVE MEMBER
Ignitte - The Teaching Club of NITT. Taught Chemistry to underprivileged Students in Local Schools for IIT-JEE and NEET preparation. Helped in creating Video Tutorials available on Youtube, Preparing Study Material.

PROJECTS

MULTIPLAYER QUIZ APP | REACT
A Full-Stack App inspired by the popular game AMONG US (Details available on my Github).
- Dashboard routes are Protected with Authentication mechanism similar to Cookie-based Authentication.
- Made a REST API which is used as the question bank for quiz with Token based Authorization.
- Backend Implemented Game Logic with Quiz admin always in Control.

PAGE REPLACEMENT ALGORITHM VISUALIZER | REACT
A React App to visualize Page Replacement Algorithms used in Operating Systems. App deployed here
- User input form collects the parameters for the algorithm, input data parsed in Backend.
- Tabular Visualization of Page faults and Page Hits, along with Ratio and Percentage calculations
- First In First Out (FIFO), Least Recently Used(LRU) and Optimal(OPT) algorithms available to choose from.

LINUX ACCOUNT MANAGEMENT AUTOMATION | BASH
A Script which automates many Tasks related to User Account Management on Linux.
- Parsing all Usernames provided as Positional Arguments in one go
- User Account Addition/Deletion/Locking /Password Updates
- Generates Unique Passwords for each User
- Takes care of Keyboard Interrupt Signals and Takes appropriate action

MOVIE FIGHT APPLICATION | JAVASCRIPT
A Movies Comparison Web App deployed here
- Implemented a Reusable Input Search Suggestion / Auto-complete Widget
- The Auto-complete widget shows all search results available with OMDB API.

INTERESTS / HOBBIES

COMPUTER GAMING
Playing Computer games for last 9 years. Participated in 3 Multiplayer LAN Challenges.

AWARDS

2020	233/8051	HackerRank HackFest 2020
2020	533/3000+ students	JPMC Quant 2020
2018	2nd Prize	Parliamentary Debate, Umang'18
2018	2nd Prize	Metallurgical Minute, METTLE'18
2012		WTF 1st DAN Certification