Parwej Khan

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Education

National Institute of Technology , Kurukshetra — **Expected Graduation : May 2024**
Bachleor of Technology in Information Technology — *CGPA: 8.58/10*

Jawahar Novadaya Vidyalaya, Karnal — **April 2018 − April 2019**
Senior Secondary in NON-MEDICAL with First Division (affilated by CBSE) — *Percentage: 92.2*

Jawahar Novadaya Vidyalaya, Karnal — **April 2016 − April 2017**
Matriculation with First Division (affilated by CBSE) — *CGPA: 9.4/10*

Skills

Technical Skills: C/C++, HTML, CSS, JavaScript, Python, DBMS, OOPS, Reactjs ,Express , MongoDB, NodeJs, Data Structure, SQL, Git, Redux, Solidity, HardHat
Strength: Quick Learner, Consistent , Teamwork, Adaptability
Languages:: English, Hindi

Experience

CDAC Banglore — **August 01 − Present**
Backend Developer — *Banglore*

- Implemented the lockout feature to restrict access after multiple failed login attempts, improving protection against brute-force attacks.
- Designed and implemented middleware to handle JWT token validation, streamlining authentication across all API requests.
- Implemented and optimized session management using MongoDB Time-to-Live functionality for automated expiration and removal of blacklisted tokens
- Implemented structured logging to track request and response data, along with warnings, errors, and informational (info) messages, providing complete visibility into application activity.

Excellence Technology — **January 2023 − May 2023**
Web Development Intern — *Mohali*

- Designed and implemented components for a sales dashboard using React.js
- Developed interactive charts using Chart.js to effectively display key metrics, enhancing data visualization capabilities for informed decision-making
- Enhanced role-based visibility, optimizing access control and ensuring secure data management

urugram Police — **June 2021 − July 2021**
Cyber Security Intern — *Gurugram*

- Conducted incident response , executing vulnerability assessments and Malware analysis
- Contributed to threat analysis , Endpoint Security using OWASP top 10
- Assisted in evaluating and testing new Cyber Security tools for effective security solutions

Projects

Audio Streaming Website similar to Spotify | *Source Code* — **June 2023 - Present**

- Build dynamic web applicaton similar to Spotify using MERN stack that emulates the renowned music streaming
- Implemented user authentication, real-time audio playback, and personalized playlist features
- **Technology Used** MongoDB, Express , Reactjs , NodeJs ,API, HTML, CSS, JavaScript

Decentralized Exchange | *Source Code* — **January 2023 - Present**

- DEX uses order book method to facilitate the trade of ERC20 token. It uses own smart contract to trade Dapp ,mETH ,wETH token which are deployed on Goerli Testnet
- Mitigated critical technical challenges such as congestion and gas fees, ensuring the DEX's continuous functionality and reliability even during periods of network congestion or high gas prices in Ethereum Blockchain
- **Technology Used** Hardhat, Solidity , React , Redux , JavaScript , NodeJs , ERC20 , IPFS
- Dapp Hosted Website Link : https://decentralised-exchange.on.fleek.co/

Algorithmic Trading Bot | — **March 2023 - April 2023**

- Automated trading bot build using Binance API in Python which lets the user to leverage opportunities of market using CAGR, Bollinger Band technical indicator to initiate a trade automatically
- Trading bot run on AWS EC2 instance and we can setup time when to start
- **Technology Used** Python, Pypi , API, AWS(EC2), TA-Lib

Additional

- solved more then 600+ problems of Data Structure on different Platforms

- Got selected for national math exhibition conducted by NVS

- Secured Zonal Rank 59 in IMO

- Secured 2nd Rank in Math Bee III Competition Organised by NSF(North South Foundation)