PRAHLAD PALLAV

📞 +91 8826626035   ✉ prahladpallav147@gmail.com   in linkedin/Prahlad   ⌽ github/prahlad-pallav

Academic Details

Indian Institute of Technology Delhi   Cgpa: 7.57
B.Tech in Engineering Physics   *2019-2023*

Park Mount Public School, Patna   Percentage: 85.8
CBSE   *2019*

Internship

Mobishaala Edutech Private Limited, Bangalore   June, 2022 - July, 2022
Front End Developer
- Developed a multi-tiered web application with numerous levels and sublevels.
- Axios API calls were used to retrieve data, which was then saved locally.
- The application has a high degree of responsiveness and interactivity, allowing for simultaneous use by multiple users.

Exposure : HTML, CSS, JavaScript, ReactJS, BootStrap, APIs, JSON, NPM Packages.

Technical Skills

Programming Languages: Java, JavaScript, C++, Python.
Web Development: HTML, CSS, ReactJS, Express, Mongodb, Node.js, SQL, APIs, JSX, JSON.
Libraries/Framework: Bootstrap, Tailwind CSS, Redux, Postman, Mongoose.
Tools/Platforms: MS Office, VS Code, Notion, Netlify, Figma, Adobe XD, Canva, Git/GitHub, FireBase, LaTex.
Miscellaneous: Data Structure and Algorithms, Operating System, DBMS, OOPS, Computer Networks.

Projects

Memory Efficient Doubly Linked List ⌽   October, 2021
- Implemented a memory-efficient doubly linked list using an **array-based** approach, minimizing memory overhead by eliminating the need for separate next and prev pointers in each node.
- Used integer indices to describe connections between nodes, lowering memory use by removing node memory allocations.

Process Scheduling Simulator ⌽   March, 2022
- Developed a Process Scheduling Simulator that simulates process scheduling using the **Round Robin** algorithm.
- The algorithm executes processes for a fixed quantum of time and handles cases where a process's remaining burst time exceeds the quantum by adding it back to the **ready queue**.

Weather DashBoard ⌽   April, 2022
- Designed intuitive user interfaces with interactive features, to easily navigate and read comprehensive weather forecasts for chosen places utilising **OpenWeatherMap APIs** to collect real-time weather data depending on user input.
- Implemented client-side data storage using **Session Storage** to store user preferences and recently granted locations, enabling quick access and personalized experience for returning users.

Password Generator ⌽   July, 2021
- Developed a secure and user-friendly password generator using HTML5, CSS3, and JavaScript, incorporating best practices to ensure the generated passwords are strong and resistant to common **hacking** techniques.
- Implemented a responsive and visually appealing user interface that allows users to customise password length and generate passwords with uppercase and lowercase letters, digits, and special characters using **Fisher Yates** algorithm.

Symbol Tables ⌽   March, 2022
- Created a symbol table to hold file names and their associated keywords using a **hash-based** data structure.
- Performed a custom symbol table using a **BST** data structure supported insertion, retrieval, update, and deletion operations on data points.

Positions Of Responsibility

Senior Executive   July, 2021 - May, 2022
Hindi Samiti, BRCA, IIT Delhi

Executive   October, 2021 - Dec, 2022
Blood Connect Foundation, India