Mohd Nasir

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Education

Graphic Era Deemed to be University **CGPA: 9.10/10.0 | Sep. 2020 – June 2024**
Bachelor of Technology in Computer Science *Dehradun, Uttarakhand*

Saraswati Vidhya Mandir **83.40% | 2020**
Class 12th - U.P Board *Afzalgarh, Uttar Pradesh*

Saraswati Vidhya Mandir **84.83% | 2018**
Class 10th - U.P Board *Afzalgarh, Uttar Pradesh*

Technical Skills

Languages: C/C++, Java, SQL
Developer Tools: VS Code, Eclipse, Github
DataBase: MySQL

Experience

Tally Solutions **Sep 2024 – Present**
Software Engineer *Bangalore*

- Designed and implemented a high-performance custom memory manager in **C++**, optimizing malloc and free functionalities to achieve a **90% performance improvement** over the system memory manager.
- Developed custom **data structures** using **OOP'S** concepts and **system design**, focusing on efficiency and usability.
- To improve debugging processes, developed **logging** and **tracing** systems to monitor application behavior.

BharatRide **Jan 2023 – Mar 2023**
Web Development Internship *Dehradun*

- Developed responsive web pages using **HTML**, **CSS**, and **JavaScript** to enhance user experience.
- Collaborated with cross-functional teams to implement new website features and **improve site** performance.
- Enhanced website load times through **debugging and optimizations**, ensuring a smoother user experience.

Projects

Quiz Organizing System | Github **May 2023 - July 2023**

- With separate modules for **admin** and **students**, I developed a quiz organization system using **HTML, CSS, JS, PHP, and MySQL**.
- Created, updated, and deleted quizzes in the admin module, and quiz links were shared using **SMTP Protocol** via email.
- Implemented restrictions to allow students only **one attempt per** quiz for a fair assessment.
- Ensured secure, user-friendly experience with optimized data integrity and system functionality.

Operating System Process Scheduling Algorithm Solver | *HTML, CSS, JS* | Live **Feb 2023 - Mar 2023**

- This HTML, CSS, and JavaScript-based process scheduling algorithm solver includes algorithms like **FCFS, SJF, SRTF, NPP, and PP**.
- Measured Turnaround Time **(TAT)**, Waiting Time **(WT)** and **Gantt Chart** in real-time.
- Improved user experience and accuracy by incorporating robust error handling.

File Hidden System | *Java, MySql* | Github **Dec 2022 - Jan 2023**

- Developed a secure **file hider** application using **Java** and **MySql**, emphasizing the implementation of essential security features such as **email authentication** and user login.
- **SMTP** protocol used to send **OTPs** (One-Time Password) to users' email addresses for **login** authentication.
- File Encryption options for logged-in users include **Show Files**, **Hide Files**, and **Unhide Files**.

Scholastic Achievements

- On LeetCode, I achieved the top **5% Knight Badges** & highest contest rating **1950+**.
- I was a finalist in the Infosys **HackWithInfy** program.
- I have solved more than **1000+** questions on **LeetCode**, **GFG**, and **CodingNinja**.
- AIR 3rd in the **Coding-Ninja coding** competition, demonstrating strong coding skills.
- In the Crack-C programming competition organized by the GEU-ACM, I placed **4th rank** in my college.
- As a member of the winning team of the GEU-ACM **Software Development Hackathon**, I demonstrated strong teamwork and technical proficiency.