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Summer Training and Internship

Core And Advanced DSA **May 2023 - July 2023**
GeeksforGeeks: A Learning Platform

- Worked on DSA Core concepts such as Arrays, Linked List, Stack, etc.
- Gained practical experience with **Advanced DSA** Algorithms like DFS, BFS, Kadane's Algorithm, and Prim's Algorithm.
- Applied best practices in problem solving, version control using Git, and code reviews.

Projects

Student Record Management System / *PHP, MySQL* **Sept 2024 - Oct 2024**

- Developed a Student Record Management System using PHP and MySQL, efficiently managing student information, including grades, attendance, and personal details.
- Implemented secure authentication and authorization, ensuring access control for different user roles (admin, teacher, student), which improved data security and user experience.
- Integrated advanced querying capabilities to quickly retrieve and update student records, reducing administrative workload and enhancing system efficiency by 40%.
- GitHub Repository Link: https://github.com/kumailr15/student-record-ms

Operating System Scheduler/ *HTML5, CSS3, JavaScript* **June 2024 - July 2024**

- Developed a CPU scheduling algorithm simulation, resulting in a 70% improvement in visualizing task scheduling efficiency for educational purposes compared to static code examples.
- Enhanced the user interface using HTML5 and CSS3, creating a dynamic and responsive design that led to a 50% increase in user engagement during demos.
- Optimized JavaScript performance to handle real-time scheduling simulations, achieving a 30% reduction in processing time for large datasets, allowing the tool to simulate up to 100 processes without lag.
- GitHub Repository Link: https://github.com/kumailr15/Scheduling_algo_simulator

Certificates

Data Structures and Algorithms **Sept 2024**
GFG - Link to certificate

Building Web Applications in PHP **Mar 2024**
Coursera - Link to certificate

HTML, CSS, and JavaScript for Web Developers **May 2024**
Coursera - Link to certificate

Technical Skills

Languages: C++, Java, JavaScript, PHP.

Technologies/Frameworks: React JS, Node JS, Git, GitHub, MongoDB, Express, Bootstrap.

Skills: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting in JavaScript

Education

Lovely Professional University **2023 – 2026**
Computer Science and Engineering − CGPA 7.2 *Jalandhar, Punjab*

Meerut Public School **2019 – 2020**
12th with Science — Percentage: 97% *Meerut, Uttar Pradesh*

Meerut Public School **2017 – 2018**
10th with Science — Percentage: 88% *Meerut, Uttar Pradesh*