

Aman

410, Village - Abheypur, Panchkula, Haryana, 134109
+91 7355877248 amanmr795@gmail.com [amanmr795](#)

Educational Qualification

Indian Institute of Technology (IIT), Indore B.Tech in Electrical Engineering (4th Year)	<i>Present</i>
HBSE (12th Grade) — 90.2%	2021
HBSE (10th Grade) — 90.8%	2019

Projects

Mental Wellness Web App (React, Tailwind CSS)

- Built a responsive web app providing mental wellness resources and personalized support.
- Designed an intuitive UI with React to enhance user engagement.
- Utilized Tailwind CSS for fast and easy styling with a responsive design.
- Deployed the app for real-time use and feedback.
- **GitHub:** [SoulWisdom](#) **Live Demo:** [View Demo](#)

Sliding Window Rate Limiter (Java, Concurrency, Collections)

- Built a thread-safe rate limiter using the Sliding Window algorithm to restrict per-user API access (e.g., 10 requests/second).
- Implemented with `ConcurrentHashMap` and `ConcurrentLinkedQueue` to manage user-specific sliding windows efficiently.
- Simulated multiple users with dynamic user addition to demonstrate real-time request throttling.
- Mimicked production-ready API throttling systems to manage heavy traffic and prevent overload.
- **GitHub:** [Rate Limiter](#)

Personal Portfolio Website (HTML, CSS, JavaScript)

- Developed a responsive portfolio website to showcase projects, skills, and achievements.
- Designed an interactive and visually appealing UI with smooth animations to enhance the user experience.
- Ensured the website was mobile-friendly and fast-loading.
- **GitHub:** [Personal Portfolio Website](#) **Live Demo:** [View Demo](#)

Skills

Software: Java, System Design, JavaScript, React.js, Node.js, HTML, CSS, Tailwind CSS **Platforms:** [LeetCode](#), [Codolio](#), [GeeksforGeeks](#)
Soft Skills: Data Structures and Algorithms (DSA), Analytical Problem Solving **Electrical:** Circuit Analysis, Power System, Control Systems, MATLAB, Signal Processing

Links

GitHub: [amanmr795](#)
LinkedIn: [linkedin.com/in/amaniitindore795](https://www.linkedin.com/in/amaniitindore795)