Munendra Singh Bhadouriya

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EDUCATION

Lakshmi Narain College of Technology (LNCT) Bhopal, Madhya Pradesh
Bachelor Of Technology in Computer Science(AI-ML) *2022 – 2026(Expected)*
- CGPA : **8.06**

Nirmala Convent School Ujjain, Madhya Pradesh
Class XII *2020 - 2021*
- Percentage : **89.2%**

PROJECTS

StudyNotion *Jan 2025*
- **Engineered** a scalable and secure **EdTech platform** using **Node.js**, **Express.js**, and **MongoDB**, ensuring efficient performance and seamless user experience.
- **Developed and deployed 30+ RESTful APIs**, ensuring seamless interaction between the **React** front-end and back-end services.
- **Integrated secured** user authentication and authorization using **JWT**, **bcrypt**, and **OTP verification**, ensuring a secure login and account recovery process.
- **Implemented payment processing** via **Razorpay**, allowing students to purchase and enroll in courses through a secure checkout flow.
- Deployed the platform using **Vercel (frontend), Render (backend), MongoDB Atlas (database)**, and **Cloudinary (media storage)** to ensure high availability and scalability.
- Website-Link | GitHub-Link

CPU Scheduling Simulator *Mar 2024*
- **Designed and built** a high-performance **CPU scheduling simulator** in C++, implementing **5+ scheduling algorithms (FCFS, RR, SRT, SPN, etc.)** to analyze and optimize process execution.
- **Developed and refined custom parser** to extract scheduling parameters and manage process data using **STL** containers.
- **Optimized** performance through advanced data structures like vectors, tuples, and unordered maps, reducing computational overhead.
- **Implemented timeline tracking and turnaround time calculations**, improving scheduling accuracy and execution efficiency.
- GitHub-Link

TECHNICAL SKILLS

- **Programming Languages**: C++
- **Frontend Development**: HTML, CSS, JavaScript, TailwindCSS, React.js
- **Backend Development**: Node.js, Express.js
- **Databases & Storage:**: MongoDB, MySQL
- **IT Constructs:**: Data Structures & Algorithms(DSA), Object-Oriented Programming (OOP), Operating Systems (OS), Database Management Systems (DBMS)

CERTIFICATES

- Data Structures and Algorithm with C++
- Full Stack Developer Bootcamp - Master Frontend to Backend

ACHIEVEMENTS

- Solved **400+** unique **DSA problems** across LeetCode, GFG and Coding Ninjas.
- **Secured 1st place** in the 2022 college-level Ideathon, competing against over 50+ teams by presenting an innovative solution.
- **Led and guided** a team in a hackathon at Bansal College, Bhopal, achieving **4th place** among 60+ teams by developing a high-impact project under tight deadlines.