Virender Parasariya

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. (CIE)	Indian Institute of Technology Jodhpur	8.14	2021-2025
Senior Secondary	CBSE Board	95.0%	2021
Secondary	CBSE Board	91.0%	2019

EXPERIENCE

- **Full Stack Developer Intern** — *Jan. 2025 – Apr. 2025*
  B.I.R.D. Labs, IIT Jodhpur — Campus
  - Built and deployed a scalable research portfolio platform using **Next.js**, **TypeScript**, and **Node.js**, increasing stakeholder engagement by 60%.
  - Developed RESTful APIs and integrated **MongoDB** for dynamic content management across 500+ research assets.
  - Enhanced performance with reusable components, lazy loading, and responsive design across multiple device types.
  - Collaborated with research teams to refine UI/UX through feedback-driven iterations, improving usability by 30%.

- **Data Analyst Intern** — *June 2024 – Aug. 2024*
  Adeptmind — Remote
  - Designed and implemented keyword strategies for Dynamic Landing Pages (DLPs), leading to a measurable increase in organic traffic and user engagement.
  - Conducted competitive analysis across e-commerce domains to identify high-value keyword opportunities and content gaps.
  - Improved DLP visibility by integrating SEO best practices and aligning keyword targeting with long-tail user intent.
  - Collaborated with cross-functional SEO, product, and engineering teams to optimize landing page structure and drive conversion-oriented traffic.

PROJECTS

- **CHATTERBOX – Real-Time Chat Application** — *Feb. 2025*
  Developed a feature-rich chat platform supporting real-time private and group messaging using the MERN stack. — GitHub
  - Engineered real-time bi-directional messaging using **Socket.io**, enabling seamless user interaction across sessions.
  - Implemented **JWT**-based authentication and user presence indicators; supported chat history persistence in **MongoDB**.
  - Handled over 500 concurrent sessions during stress testing with zero message loss.
  - **Tech Stack:** React.js, Node.js, Express.js, MongoDB, Socket.io, JWT

- **BUDGETFLOW – Finance Management Dashboard** — *Dec. 2024*
  Built a responsive full-stack dashboard for tracking and managing personal finances. — Live
  - Designed an intuitive UI in **React**, allowing users to visualize budgets and track expenses across categories.
  - Managed complex state transitions using **Redux**, ensuring consistent user experience across routes.
  - Built RESTful APIs using **Node.js** and **Express**; integrated **Firebase** for user authentication and data storage.
  - **Tech Stack:** React, Redux, Node.js, Express.js, MongoDB, Firebase

- **Multithreaded WebServer – Scalable Implementation** — *June 2025*
  Implemented a lightweight HTTP server in Java capable of handling multiple concurrent client requests. — GitHub
  - Programmed socket-based HTTP request handling in **Java**, supporting static file serving and concurrent processing.
  - Utilized **ExecutorService** and multithreading to scale request handling for 1000+ parallel connections.
  - Designed the architecture to be modular and extensible for adding endpoints and dynamic content routing.
  - **Tech Stack:** Java, Multithreading, Socket Programming, HTTP Protocol

COURSEWORK

- Data Structure and Algorithms,DBMS,Machine Learning,Deep Learning, Operating System,Computer Networks,Software Engineering,Computer Architecture

TECHNICAL SKILLS

- **Programming:** C/C++,Python,JavaScript,Java,SQL,GoLang,Latex
- **Web Development:** HTML,CSS,JavaScript,Nodejs,React,Express,MongoDB,Nextjs
- **Libraries/Frameworks:** Pandas, Numpy, scikit-learn, JQuery

ACHIEVEMENTS

- **LeetCode:** Solved over **620+ problems**; achieved a peak contest rating of **1700+**, ranking in the top 15%.
- **IIT JEE:** Secured a position in the **Top 2 percentile** nationwide in both JEE Mains and JEE Advanced 2021.

POSITIONS OF RESPONSIBILITY

- **Vertical Head,** Prometeo TechFest 2024, IIT Jodhpur   *Jan. 2024*
- **Core Member,** Google Developers Student Club (GDSC), IIT Jodhpur   *Aug. 2022*