

Rajat Gupta

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Information Technology

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[Github](#) | [LinkedIn](#) | [Twitter](#)

PROJECTS

- **[Responsive Chips Website \[Front-End\]](#)** ([Github](#))
 - Developed a **responsive** frontend Chips website using Figma, HTML, CSS, SCSS, and JavaScript.
 - Implemented **swipe gestures** using SwipeBundle JS, enhancing user interaction and experience.
 - Incorporated **scroll animations** with ScrollReveal Js to create engaging visual effects.
 - Ensured **cross-device compatibility** and optimized performance for a seamless user experience across devices.
 - Created the website as part of a personal learning project, showcasing initiative and dedication to skill development.

Skills Acquired:- HTML, CSS, JavaScript, Cross-browser compatibility

- **Multithreaded WebServer** ([Github](#))
 - Designed and implemented a **multithreaded** web server in **Java** to serve HTTP requests from clients efficiently.
 - Utilized **Java Sockets** for establishing client-server communication over TCP/IP
 - Employed **multithreading** to concurrently handle multiple client connections and enhance server responsiveness.
 - Addressed **thread blocking** and **context switching** overhead through efficient thread management techniques
 - Optimized server performance by implementing a **thread pool** for efficient thread management technique
 - Compared and contrasted the advantages of **multithreaded architecture** over single-threaded for handling concurrent client connections.
 - Implemented a **thread pool** to manage and reuse worker threads efficiently.
 - Developed proficiency in Java, networking, concurrency, and web server architecture.
 - Gained hands-on experience in implementing scalable and efficient server-side solutions.

Skills Acquired:- Java Programming, Network Protocols(TCP/IP), Concurrency, Multithreading

TECHNICAL SKILLS

- **Languages:** HTML, CSS, Java, C++, JavaScript
- **Frameworks:** Tailwind CSS, MySQL
- **Developer Tools:** Git, VS Code, IntelliJ IDEA
- **Fundamentals:** Operating Systems, OOPS, Computer Networks, DBMS

ACADEMIC DETAILS

| Degree | Institution | CGPA | Year |
|------------------|--|-------|-------------|
| B.Tech (IT) | Bharati Vidyapeeth's College Of Engineering, New Delhi | 8.016 | 2020 - 2024 |
| Class XII (CBSE) | Army Public School Dhaula Kuan, New Delhi | 82.8% | 2019 |