

# AYAZ QUAISER

✉ ayazquaiser03@gmail.com    —    📞 +91 9310439472    —    🔗 LinkedIn    —    🐙 GitHub

## EDUCATION

**Delhi Technological University**

2023–2027

*B. Tech in Computer Engineering*

**Jamia Millia Islamia, Delhi**

*Class XII - CBSE*

Percentage: 89.4%

## EXPERIENCE

**WEINDIC PRIVATE LIMITED — Software Development Intern**

Jun 2026 – Jul 2026

- Developed and maintained **full-stack web applications using React.js and Node.js**, delivering frontend interfaces and backend functionality.
- Engineered scalable backend **REST APIs** and optimized database queries, reducing latency and improving overall application performance by **~20%**.
- Collaborated with the development team on **debugging, testing, code reviews, and feature development**, following modern software engineering practices.

## PROJECTS

1. **IfShare** - Architected a high-throughput file-sharing system implementing chunked data streaming over **TCP/IP protocols** for efficient large-file transfers. Optimized application resource allocation and integrated **WebSockets** for low-latency, real-time state synchronization. Designed the architecture to handle concurrent user I/O requests, ensuring robust system reliability and high uptime.
2. **Talk** - Engineered a real-time messaging backend using **Node.js** and **Socket.io**, enabling low-latency bidirectional communication between active users; designed a scalable **MongoDB** schema for persistent chat storage and implemented **offline message queuing** for reliable message delivery when users reconnect.
3. **LeetCode Problem Understanding Assistant (AI Prototype)** - Engineered an AI-driven backend service integrating the **Gemini LLM API** to dynamically generate algorithmic edge cases and mathematical constraints. Utilized custom prompt engineering and **Retrieval-Augmented Generation (RAG)**; optimized backend latency and reduced API costs using **Redis caching**. Demonstrated rapid prototyping from concept to a functional browser extension.

## ACHIEVEMENTS

- Solved **1000+ DSA questions** on **Codeforces, LeetCode, GeeksforGeeks**, and other platforms.
- Achieved a maximum Codeforces rating of **1530 (Specialist)**, consistently improving in competitive programming and algorithmic problem-solving skills.
- Secured **Rank 772** in a Codeforces Division 2 contest among **25K+ participants**.
- Secured **Rank 1098** in a LeetCode contest among **45K+ participants**.

## TECHNICAL SKILLS

**Languages:** C/C++, Java, Python, JavaScript, TypeScript

**Backend & Systems:** Node.js, Express.js, REST APIs, WebSockets (Socket.IO), Distributed Systems

**Databases, Cloud & DevOps:** MongoDB, SQL, Redis, AWS (S3, DynamoDB, Cognito), Docker, CI/CD

**Security:** Malware Analysis, Reverse Engineering (x86 Assembly), Network Security, Authentication & Authorization

**Frontend:** React.js, Next.js, HTML, CSS, TailwindCSS, Bootstrap

**Tools & Testing:** Git, GitHub, Cypress, Jest, VS Code

## POSITIONS OF RESPONSIBILITY

**REPRSNT DTU**

- Active member of **REPRSNT DTU**, the official Hip-Hop Society of Delhi Technological University.

**Sports Captain in School Cabinet**

- Captained the School Football Team.

## COURSEWORK

- Data Structures and Algorithms, Operating Systems, Computer Networks
- Object-Oriented Programming (OOPS), Algorithm Design and Analysis (ADA)
- Systems Programming, Database Management System, Cyber Security