

Anuj Dubey

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Education

Bachelor of Technology – Computer Science and Engineering, Bhagwan Parshuram Institute of Technology (BPIT), Delhi 2022 – 2026
CGPA: 8.50

12th CBSE, Sachdeva Public School, Delhi 2021 – 2022

Skills Summary

- **Languages:** C, C++, JavaScript, Python, SQL, TypeScript
- **Frontend:** HTML, CSS, Bootstrap, React, Tailwind CSS, Next.js, Three.js, WebGL
- **Backend:** Node.js, Express.js, Zod, OAuth, NextAuth, Docker
- **Cloud:** Amazon Web Services (AWS)
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Tools:** Git, GitHub
- **Courses:** OOP, Data Structures and Algorithms, Computer Networks
- **Soft Skills:** Quantitative Reasoning, Collaboration, Effective Communication

Experience

Trainee – HashedToken (Remote) Apr 2025 – May 2025

- Developed a concurrent Go-based web server with Kafka and Redis, improving request handling efficiency by 40%.
- Built a real-time WebSocket-REST hybrid UI system reducing polling and optimizing network usage by 30%.
- Documented the rsync algorithm, detailing its delta-transfer technique that reduces bandwidth by 50–80%.
- Analyzed Jupyter Notebook's plugin system and proposed optimizations reducing startup latency by up to 20%.
- Benchmarked Golang channel patterns and proposed 3 performance-tuned alternatives improving throughput by 25%.

Projects

- **BlogiFy** – Full-stack blog platform with TypeScript, PostgreSQL, Prisma, and TailwindCSS. Backend on Cloudflare Workers for 99.9% uptime; npm schema package enhanced code reuse by 50%.
- **College Dashboard** – Built dynamic student data portal using Next.js App Router; boosted accessibility by 70% and load times by 30%. Deployed via Vercel with interactive charts.
- **BitCrate - A Gaming Console Hub** – 3D console showcase built with Next.js, Three.js, Matter.js, and Prismic CMS; improved session time by 40% and added real-time animations.

Certificates

- Gedit Training – IIT Bombay April 2024
- Java – IIT Bombay December 2023