# Anuj Dubey

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## Education

**Bachelor of Technology – Computer Science and Engineering**, Bhagwan Parshuram Institute of Technology (BPIT), Delhi                        *2022 – 2026*
CGPA: 8.65

**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, WebSocket
- **Cloud:** Amazon Web Services (AWS), AWS EC2
- **Databases:** MySQL, MongoDB, PostgreSQL
- **Tools:** Git, GitHub
- **Courses:** OOP, Data Structures and Algorithms, Computer Networks
- **Soft Skills:** Quantitative Reasoning, Collaboration, Effective Communication

## Experience

**BackendTrainee – 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

- **[GoPay]** – Full-stack digital wallet with Next.js (TypeScript), TailwindCSS, and Prisma. Hosted on AWS EC2 with Docker for 99.8% uptime; CI/CD workflows reduced deployment time by 85%. Implemented P2P transfers, transaction history (Success/Failure/Processing), and real-time balance tracking.

- **[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.

## Certificates

- [Gedit Training – IIT Bombay]                        *April 2024*
- [Java – IIT Bombay]                        *December 2023*