Aman Sharma

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Education

Netaji Subhas University of Technology (NSUT)   **Jan 2022 - Aug 2025**
Bachelor of Technology in Computer Science & Engineering (current CGPA of 7.77)   *Delhi, India*

Experience

Full Stack Intern   **Dec 2023 - Jun 2024**
AgukenAI   *Remote*
- Built a comprehensive dashboard using **Next.js**, and developed APIs with **MongoDB** and **NestJS** to manage AI agents and call history.
- Optimized the AI streaming service by rewriting it from Python to Go, increasing call capacity from 5 to 50+ using **Redis**, **RabbitMQ**, **WebSockets**, and **Twilio API**.
- Integrated services like **Deepgram**, **Azure Speech**, and **Eleven Labs**, creating a scalable TTS and STT framework.
- Implemented AI-driven customer service for an Australian client using **Twilio** for real-time booking and inquiries.

Projects

SHARECODE | *Next.js 13, Golang, Rust, PostgreSQL, CloudFlare R2, Redis, Tailwind* | [Live](#) | [Github](#)
- Developed a file-sharing service with a backend using **Go** and **PostgreSQL**, implementing **JWT authentication** and integrating **Cloudflare R2** for file storage.
- Created a **CLI client** in **Rust** for seamless interaction with the service, enabling terminal-based file upload, download, and sharing.
- Launched a web interface for public file viewing and downloading, allowing link-based sharing with customizable permissions.
- Implemented **subscription-based access control** with daily read and write limits, using **cron jobs** to reset limits, enhancing user experience and service reliability.

GROWING BUDDIES | *Next.js 13, React, Convex, Tailwind* | [Live](#) | [Github](#)
- Developed a full-stack Notion clone with a Notion-style editor, cover images, nested documents, public publishing, and real-time updates.
- **Real-time Database Integration:** Integrated a real-time database for dynamic data updates.
- **Notion-Style Editor:** Developed a user-friendly editor for content creation and organization.
- **Mobile Responsiveness:** Designed a responsive interface for smartphones and tablets.
- **File Management:** Enabled file upload, delete, replace, and recovery features.

Achievements

- Achieved **991** global rank out of 23,404 in LeetCode US Weekly Contest 376.
- Achieved a global rank of **603** in CodeChef Starters 136 Division 3.
- DSA enthusiast with a LeetCode max rating of **1814**, demonstrating strong problem-solving abilities.
- Solved more than **1000+** Data Structures & Algorithms problems across platforms (LeetCode, Codeforces, etc.)
- Secured **98+** percentile in JEE Main, a national-level engineering entrance examination.

Technical Skills

- **Programming Languages**: Problem Solving, C++, Golang, Python
- **Web Development**: HTML/CSS, JavaScript, TypeScript, ReactJS, Node.js, NextJS
- **Databases**: MySQL, Google Firebase, MongoDB, PostgreSQL
- **Version Control**: Git, GitHub
- **Coursework**: Object-Oriented Programming (OOPS), Database Management Systems (DBMS), Operating Systems (OS), Computer Networks (CN)

Extracurricular Activities

- **Skills**: Adobe Creative Suite (Adobe Photoshop, Adobe Illustrator), LaTeX
- **Position of Responsibility**: Graphic Design Supervisor for **CANVAS** (fine arts society of NSUT): Led and mentored team in executing multiple projects, ensuring high-quality outcomes and deadlines.
- **Interests**: Passionate about Philosophical and Spiritual literature, Origami, Calligraphy.