

Maulik Tyagi

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EDUCATION

Guru Gobind Singh Indraprastha University, CGPA 8.7

Bachelor of Technology in Computer Science and Engineering , Minor in AI and ML

New Delhi, India

Dec. 2021 – July 2025

TECHNICAL SKILLS

Languages: Java, JavaScript (ES6+), TypeScript, Python, C++, SQL

Backend & Frameworks: Node.js, Express.js, NestJS, REST APIs, BullMQ

Frontend & Libraries: React.js, Next.js, Zustand

Databases: MongoDB, PostgreSQL, MySQL, Redis, DuckDB, DynamoDB

Data & Cloud Technologies: Apache Arrow, AWS S3, Docker, Firebase, AWS Lambda, Cloudflare Workers

Tools & Others: Git, GitHub, OAuth, Postman, Vitest, Unix

EXPERIENCE

Backend Developer Intern

September 2025 – Current

Laika AI

Saket, New Delhi

- Developed and deployed serverless REST APIs using Python on AWS Lambda, ensuring scalability and performance.
- Improved error handling and logging mechanisms for Lambda-based APIs, enhancing reliability and maintainability.
- Built Node.js scripts to migrate large datasets between DynamoDB tables, optimizing batch processing and resumption strategies.
- Implemented Cloudflare Worker scripts to perform automated API endpoint health checks, monitoring uptime and performance.

Fullstack Developer Intern

August 2025 – September 2025

Zeru Finance

Remote

- Engineered a high-performance data ingestion pipeline for processing large-scale blockchain transaction data using DuckDB, Apache Arrow, and Parquet.
- Integrated blockchain APIs via Alchemy and ethers.js to fetch and normalize data across multiple chains.
- Optimized data storage by streaming results to AWS S3 (object storage) in compressed, query-efficient parquet format.
- Enhanced pipeline throughput, achieving a 17x speedup, enabling handling of millions of records daily with improved reliability.

Full Stack Web Intern

April 2024 – July 2024

Cargo Matters

Gurugram, Haryana

- Developed the web app using HTML, CSS, JavaScript, ReactJS, NodeJS and ExpressJS.
- Enhanced UI/UX design and system design to improve UI/UX score by 11%.
- Integrated various APIs for data integration and axios for retrieving data, making it faster by 8%.
- Implemented SQL and MongoDB for databases, improving space utilization and query efficiency, accelerating data retrieval by 8%.

PROJECTS

Telehealth | *JavaScript, Firebase, ReactJS, RESTful API, ExpressJS*

August 2024 – August 2024

- Developed a full-stack telehealth app designed for scalability and continuous improvement.
- Built the frontend using Vite, JavaScript, SWC, and ReactJS for efficient transpiling and enhanced performance.
- Integrated APIs like TomTom Maps for locating nearby doctors and displaying information, and Priaid API for symptom analysis and diagnosis.
- Implemented a robust backend with Node.js, Express.js, CORS, and Axios for seamless data handling and communication.
- Configured Firebase and Firestore for secure user authentication and efficient database management.