

Gaurav Singh

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SKILLS

Languages: C, C++, HTML/CSS, JavaScript, SQL
Frontend: TailwindCSS, React.js, Redux Toolkit, Zustand
Backend: Node.js, Express.js
ORM: Sequelize, Mongoose
Databases: PostgreSQL, MongoDB, MySQL
Developer Tools: VS Code, Git, GitHub, Chrome Developer Tools, Postman

EXPERIENCE

GOTRUST | JUNIOR SOFTWARE DEVELOPER - NODE.JS
April 2025 – Present | Noida, Uttar Pradesh

GoTrust (gotrust.tech) is a **privacy compliance automation platform** that helps companies discover, manage, and protect customer data to ensure compliance with global data privacy laws like GDPR and DPDPA.

- Built and maintained **20+** scalable **RESTful APIs** for Data Mapping and Policy Management modules.
- Collaborated with a cross-functional team of **15+** members to deliver secure features in agile sprints.
- **Refactored** and **Optimized** legacy code using my DSA skills to reduce time complexity of nested loops from $O(n^2)/O(n^3)$ to $O(n)$, removed redundant DB calls, and improved API response time by **~20%** (measured via **Postman**).

PROJECTS

TALKS | POSTGRESQL, EXPRESS.JS, REACT.JS, AND NODE.JS
Live Link | GitHub Link

Talks is a full-stack real-time chat web app built using the **PERN** stack.

- Developed **JWT-based two-step email OTP verification** and integrated **Google OAuth** for enhanced login security.
- Integrated **Zod** with **React Hook Form** for robust form validation.
- Used **Zustand** for state management and **DaisyUI** for multi-theme support.
- Crafted secure and scalable **RESTful APIs** with **Node.js**, **Express.js**, and **Joi** for robust backend validation.
- Leveraged **PostgreSQL** with **Sequelize ORM**, optimizing database queries to reduce latency by **30%**. Utilizing Sequelize associations to minimize DB calls.
- Enabled real-time **one-to-one** and **group messaging** with **Socket.IO**, and configured **Multer** with **Cloudinary** for secure image uploads.

URL SHORTENER | MERN STACK

Live Link | GitHub Link

URL Shortener is a **MERN (MongoDB, Express.js, React.js, and Node.js)** stack web application that allows users to generate short links, track total clicks, and manage their custom URLs.

- Implemented **JWT-based two-step email OTP verification** and a **rate limiter** to enhance authentication and restrict users to **50 API** requests per hour.
- Built and tested **RESTful APIs** using **Postman**, optimized DB queries for **30%** faster response, and used **Mongoose**, **CORS**, **Axios**, and **Tailwind CSS** for a secure and responsive MERN stack app.

EDUCATION

AMITY UNIVERSITY

BACHELOR OF COMPUTER
APPLICATIONS (BCA)

2021 – 2024 | Noida, Uttar Pradesh
Cum. GPA: 8.65/10

COURSEWORK

Data Structures and Algorithms (DSA)
Object Oriented Programming (OOP)
Database Management System (DBMS)
Computer Networks (CN)

CERTIFICATIONS

Data Structures and Algorithms by
Udemy: [See Credentials](#)

Full Stack Web Development Bootcamp
by Udemy: [See Credentials](#)

ACHIEVEMENTS

Solved **800+** DSA problems on LeetCode,
maintaining a year-long streak.

Achieved **500 Days Streak**, **6000**
LeetCode, and earned a **LeetCode**
T-shirt.

OTHER PROJECTS

• **Sorting Visualizer** – *HTML, CSS, and JavaScript* - [Live](#) | [GitHub](#)

• **Amazon UI Clone** - *React.js, Tailwind CSS, Redux Toolkit, and Firebase (for Authentication and Hosting)* – [Live](#) | [GitHub](#)

• Password Generator, Tic Tac Toe game,
and Todo List app.