

# Roshan Kumar Gupta

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## Professional Summary:

Aspiring Backend Engineer with strong JavaScript skills, specializing in building scalable APIs using Node.js, Express.js, and modern databases. Passionate about high-performance systems and currently learning Golang with the Gin framework.

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## Technical Skills

Programming Languages:	JavaScript, Java.
Backend Technologies:	Node.js, Express.js.
Databases:	MongoDB, Oracle DB, Redis.
Frontend Technologies:	HTML, Tailwind CSS(basic) , EJS.
Tools & Methodologies:	NPM, Render, Railway, Github.
Soft Skills:	Communication, Teamwork, Leadership, Problem-Solving.

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## Projects:

### 1. *The Bag Company* (backend heavy) : [Github](#) | [Linkedin](#)

A dynamic and fully functional e-commerce platform with the following features:

**Tech Stack:** Node.js, Express.js, MongoDB, Tailwind CSS, EJS.

**Authentication & Security:**

- User authentication using JWT and Bcrypt.
- Role-based access control (admin & user).
- Session management with cookie-parser for a seamless authentication flow.

**Product & Cart Management:**

- Only admin can add, update, or remove products.
- Users can browse and manage products in their cart.
- Product uploads handled using Multer.

**Payment Integration:**

- Secure payment processing via Razorpay.

### 2. *Real-Time Device Tracking* (Websocket project) : [Github](#) | [Live](#)

A real-time map-based tracking system inspired by Uber/Zomato with the following :

**Tech Stack:** Node.js, Express.js, Socket.io, Leaflet.js.

**Real-Time Tracking:**

- Live location updates using WebSockets (Socket.io).
- Interactive maps powered by Leaflet.js api.

**Backend Functionality:**

- Node.js & Express.js for server-side logic.
- Efficient data transmission for low-latency tracking.

**Scalability & Optimization:**

- Smooth location updates for multiple users/devices.
  - Optimized WebSocket connections for minimal server load.
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## Education:

Bachelor of Computer Applications (B.C.A).

College: Asansol Engineering College , Expected JUNE 2026.

Workshops: Active member of the Google Developer Student Community, collaborating on projects and engaging in tech workshops & coding sessions.