

# Milendra Kumar Baghel

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## EDUCATION

**Maulana Azad National Institute of Technology**

Bhopal, India

*Master of Computer Applications (CGPA: 8.61/10)*

*July 2023 – May 2026*

**Makhanlal Chaturvedi National University of Journalism and Communication**

Bhopal, India

*Bachelor of Computer Applications (CGPA: 8.83/10)*

*July 2018 – May 2021*

## PROJECTS

**Ride-On** | React, Node.js, MongoDB, Socket.io, Google Maps API

Jan 2025 – Mar 2025

- Developed a full-stack ride-sharing platform connecting riders and captains in real-time using **RESTful APIs** and **WebSockets**.
- Implemented secure token-based authentication using **JSON Web Tokens (JWT)** for both riders and captains, with proper session validation and error handling.
- Integrated **Google Maps API** for geocoding, real-time ride tracking, and dynamic fare calculation based on distance and estimated time.
- Built a responsive and interactive frontend using **React**, **React Router DOM**, Tailwind CSS, and **GSAP** for smooth animations and intuitive ride status management.
- Utilized **Socket.io** to enable real-time ride request updates and communication between riders and captains.

**PayPlus** | Node.js, Express, Mongoose, React, MongoDB

Feb 2025 – May 2025

- Engineered a secure and scalable full-stack digital payment platform with user authentication and authorization powered by **JSON Web Tokens (JWT)**.
- Utilized **MongoDB** transaction sessions to ensure atomic operations for critical financial processes, preserving data consistency and integrity.
- Implemented end-to-end encrypted user-to-user payment transfers, with validation, balance checks, and confirmation logic on the **Node.js/Express** backend.
- Implemented centralized error handling and logging to improve system reliability and ease of debugging.

**DevBytes** | React, Hono, PostgreSQL, Prisma, Cloudflare Workers

Oct 2024 – Dec 2024

- Developed a full-stack blogging web application using **Hono** (running on **Cloudflare Workers**) with a **PostgreSQL** database via **Prisma ORM**.
- Implemented secure user authentication and session management using **JSON Web Tokens (JWT)**, enabling protected access to blog creation and editing features.
- Built a responsive **React** frontend with Tailwind CSS and **React Router DOM** for dynamic navigation, allowing users to view, create, update, and delete blog posts.
- Integrated **Zod** schema inference for consistent validation across frontend and backend; validation package published as an **NPM** module.
- Utilized connection pooling and optimized API responses with meaningful error handling for invalid input and restricted access scenarios.

## TECHNICAL SKILLS

**Languages:** Java, JavaScript, TypeScript, HTML/CSS

**Frontend:** React, Tailwind CSS

**Backend:** Node.js, Express.js, Prisma ORM, Socket.io

**Database:** PostgreSQL, MongoDB

**Developer Tools:** Git, Docker, VS Code

**Testing:** Postman

## ACHIEVEMENTS

- Solved 200+ problems on LeetCode.
- Achieved AIR 420 in NIMCET 2023 out of 25,000+ participants.