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*

EXPERIENCE

Open Source Contributor — GitHub July 2025 – Present
- Contributed to open-source projects under **GSSoC Level 2**, mainly in **React** frontend development.
- Contributed to the **stringzy** NPM package by improving **mail validation** functionality.

PROJECTS

Ride-On ⧉ | React, Node.js, MongoDB, Socket.io, Google Maps API Jan 2025 – Mar 2025
- Built a full-stack ride-booking platform with real-time rider–captain connection using **RESTful APIs** and **WebSockets**.
- Implemented secure token-based authentication using **JSON Web Tokens (JWT)** for both riders and captains.
- Integrated **Google Maps API** for geocoding, live tracking, and distance-based fare calculation.
- Developed a responsive frontend in **React**, using **Context API** for state management and **GSAP** for smooth ride status animations.
- Used **Socket.io** for real-time ride requests and rider–captain communication.

PayPlus ⧉ | Node.js, Express, Prisma ORM, React, PostgreSQL Feb 2025 – May 2025
- Built a digital payment platform where users can register, send, and receive virtual money after signing up.
- A secure digital payment platform with user authentication using **JSON Web Tokens (JWT)**.
- Managed relational data using **PostgreSQL** and **Prisma ORM** for safe queries.
- Added user-to-user money transfers with proper checks for balance, validation, and confirmation on the **Node.js**/**Express** backend.
- Used **Prisma transactions** to make sure payments are reliable and consistent.
- Added proper validations, error handling, and transaction safety for reliable payments.

TECHNICAL SKILLS

Languages: Java, JavaScript
Frontend: React, TailwindCSS
Backend: Node.js, Express.js, Prisma ORM, Socket.io, REST API
Database: PostgreSQL, MongoDB
Cloud Technologies: AWS EC2, AWS S3, AWS CloudFront
Developer Tools: Git, GitHub, GitHub Actions (CI/CD), Docker, Nginx (Reverse Proxy), VS Code
API Testing: Postman

CERTIFICATIONS

- **Java (Basic) Certification** – HackerRank (2024) ⧉
- **Certificate of Participation** – Geeks Challenge 1.0 (**NIT Patna**, July 2024) — Ranked in **Top 100** ⧉
- **MongoDB Basics for Students** – MongoDB Inc. (2025) ⧉
- **Certificate of Excellence** – Databases for Developers: Foundations (Oracle) ⧉

ACHIEVEMENTS

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