

# Mohammad Umar

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## SUMMARY

**MERN Stack Developer | Web Development | React Developer | JavaScript Developer | Frontend | Backend**  
Proficient MERN Stack Developer with hands-on experience in building and deploying full-stack applications using MongoDB, Express.js, React.js, and Node.js. Skilled in creating RESTful APIs, JWT-based authentication, responsive UIs, and deploying apps via Vercel/Render. Committed to clean, scalable, and maintainable code.

## WORK EXPERIENCE

**Riveyra InfoTech Private Limited** - Internship May 2025 - June 2025

### MERN Stack Developer Intern

- Designed and developed the complete backend architecture for a local base service discovery app called Findure using MERN and react native for fully responsive with UI with seamless API integration, and a 40% increase in overall app performance.
- Deployed high-performance Node.js backend on Render with 99.9% uptime and avg API response time under 200ms, integrated with MongoDB Atlas.
- Engineered a full-scale ERP Management System with 4 user roles (Admin, Students, Teachers, Counselors), enabling role-based access, secure login (JWT), and dynamic dashboards using react And tailwind css ,deployed with 99.9% uptime and scalable backend on Render.

## EDUCATION

<b>Chhatrapati Shahu Ji Maharaj University</b>	<b>CGPA</b>	Kanpur, UP
Bachelor of Computer Application	8.6	Expected Jun 2026

<b>St. Joseph's Senior Secondary School Kanpur</b>		
Intermediate -Commerce with Mathematics	8.9	June 2021

## PROJECTS

**Natures Cure** - [link](#) Kanpur, Feb 2025  
Built a responsive MERNstack web app show casing 25+ medicinal plants across six AYUSH systems , with dynamic search, category filtering and intuitive navigation.

- Integrated 3D plant models using google-model-viewer, allowing 100% interactive viewing with rotation, zoom and info overlays.
- Implemented augmented reality (AR) support for 25+ plants, increasing user engagement and retention during demos and presentations.
- Integrated AI assistant 'Herba' with Gemini API for natural language plant query handling.

### Enterprise Resource planning - [link](#)

- Developed a MERN-based ERP system** with Tailwind, featuring secure authentication and four role-based modules — Student, Teacher, Counsellor, and Admin .
- Created an interactive Student Dashboard** with animated attendance charts, assignments download, marks tracking, lecture access, and real-time notices.
- Implemented Teacher & Admin tools** for assignment uploads, attendance, student performance tracking, and centralized data management.

### Blockblitz - [link](#)

- Developed a full-stack blogging platform with user registration, posts, likes, and comments..
- Optimized backend using **MongoDB Aggregation Pipeline** and **Atlas Search** for fast, fuzzy,search.
- Implemented **rate-limiting** for likes to prevent spammy actions..
- Managed frontend state efficiently with **Redux Toolkit** and **Async Thunks** for async operations

### JSW Paints - [link](#)

- Conceptualized and built an interactive color palette feature using modern web technologies.
- Enabled **real-time wall color visualization** - wall color dynamically changed on hover.
- Enhanced **user engagement** and **interactivity**, making color selection more intuitive.
- Strengthened **customer satisfaction** by improving how users preview paint shades before purchase.

### Findure - [link](#)

- Built a **location-based app** for discovering and connecting with **essential nearby services** in real time.
- Implemented a **Smart GeoSpatial Search Algorithm** using **MongoDB and Haversine formula** to auto-expand radius (3–15 km) for accurate local results.
- Developed a backend with express framework integrated with **React Native** frontend.

## SKILLS

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- **Backend:** Node.js, Express.js, REST APIs, JWT, Multer, Cloudinary, MongoDB Aggregation Pipeline, Atlas Search.
- **Frontend:** JavaScript, React.js, Next.js, React Native, HTML5, CSS3, Tailwind CSS.
- **State Management:** Redux Toolkit, Context API.
- **Database:** MongoDB (Atlas & Compass).
- **DevOps & Tools:** Git, GitHub, Docker, Postman.
- **Deployment:** Render, Netlify, Vercel.
- **Additional Languages:** Java, Python, C++.
- **Data Structures:** Arrays, Vectors, Stacks, Queues, Linked Lists.

## ACHIEVEMENTS

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### Hackathon – Allenhouse Business School - [link](#)

Kanpur, June 2024

- Secured 2nd rank in a DSA-focused Hackathon held in Summer 2024.

### Innovative Application Hackathon – Allenhouse Business School

Kanpur, Feb 2025

- Ranked among the Top 3 teams in a development-focused hackathon at Allenhouse.

### LeetCode Achievement - [link](#)

- Earned a badge for solving 50+ consecutive days of DSA problems, showcasing consistency and strong skills in algorithms, arrays, recursion, and dynamic programming.

### Coding Ninjas Achievement - [link](#)

- Ranked in the top 0.92% for solving a complex Bit Manipulation problem, earning a special badge for consistent performance and expertise in bitwise operations & algorithm optimization.

## INTERESTS

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- Analyzing blockchain and cryptocurrency investment markets.
- Exploring and discovering new technologies.

## CERTIFICATIONS - [link](#)

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### Web Development Diploma — STP Computer Education (Remote)

June 2023 – June 2024

- Completed a 12-month comprehensive diploma covering **front-end and back-end web development technologies**.
- Gained hands-on experience in **HTML, CSS, JavaScript, React.js, Node.js, Express.js, and MongoDB** for building full-stack applications.

### IBM Enterprise-Grade AI — IBM - [link](#)

JUNE 2024

- Acquired hands-on experience with **AI tools, frameworks, and real-world enterprise applications**.
- Developed expertise in **AI integration, problem-solving, and data-driven decision-making**.