

# Mohammad Umar

MERN Stack Developer | Full Stack Web Development | React JavaScript Developer

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## Professional Summary

MERN Stack Developer skilled in building scalable full-stack applications using **MongoDB**, **Express.js**, **React.js**, **Node.js** and **React Native**. Specializes in intuitive UI design, REST API development, **JWT-based secure authentication**, reusable components, and production deployments on **Render**, **Vercel** & **Netlify**. Focused on writing clean, maintainable, and well-documented code to solve real-world problems efficiently.

## Technical Skills

**Backend:** Node.js, Express.js, JWT, Multer, Cloudinary, MongoDB Aggregation, Atlas Search  
**Frontend:** JavaScript, TypeScript, React.js, Next.js, React Native, HTML5, CSS3, Tailwind CSS  
**Database:** MongoDB (Atlas & Compass)  
**Tools:** Git, GitHub, Postman, Docker  
**Deployment:** Render, Netlify, Vercel  
**Languages:** Java, Python, C++  
**Soft Skills:** Problem Solving, Analytical Mindset, Good Communication, Collaboration Skills

## Work Experience

MERN Stack Developer Intern | Riveyra InfoTech Private Limited (On-Site) May 2025 – June 2025

- Designed backend architecture for **Findure**, a service discovery app, improving performance by **40%** through optimized APIs and React Native integration.
- Deployed a fault-tolerant **Node.js backend** on Render with **99.9% uptime** and API response time below **200ms**, using MongoDB Atlas.
- Developed full-scale **ERP Management System** supporting 4 user roles with secure JWT login, reusable UI in React, and scalable backend with Tailwind-based dashboards.

## Projects

Nature's Cure — Virtual Herbal Garden (MERN) Feb 2025

[Project Link](#) | *Interactive Web App for AYUSH Medicinal Plants*

- Displays **25+ medicinal plants** with category navigation, live search, and engaging UI.
- Integrated **3D plant models** via `@google/model-viewer` with zoom, rotation, and overlays.
- Added AR functionality improving educational and research-based learning experiences.
- Connected AI assistant “Herba” using **Gemini API** for plant-based natural queries.

ERP Management System — MERN 2025

[Project Link](#)

- Built a secure **multi-role ERP** with modules for Student, Teacher, Counsellor, and Admin.
- Created dashboards with visual attendance, downloadable assignments, results tracking.
- Enabled teacher/admin features for uploads, notices, and student performance analytics.

BlockBlitz — Full Stack Blogging Platform 2025

[Project Link](#)

- Developed platform with authentication, posts, likes, and real-time comments.
- Used **MongoDB Aggregation + Atlas Search** for fast semantic search on posts.
- Integrated **Redux Toolkit + Async Thunks** for smooth async UI and rate-limited actions.

JSW Paints — Interactive Color Palette

2025

[Project Link](#)

- Designed interactive palette with hover-based wall color preview for instant visualization.
- Increased engagement by enabling real-time paint shade simulations.

Findure — Location-Based Service App

2025

[Project Link](#)

- Developed nearby service search with accurate **GeoSpatial filtering (3–15km)** using MongoDB + Haversine.
- Built Node.js backend integrated with React Native UI for smooth mobile experience.

Education

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BCA — Bachelor of Computer Applications, Chhatrapati Shahu Ji Maharaj University, Kanpur

Expected Jun 2026

CGPA: 8.6/10

Intermediate — Commerce with Mathematics, St. Joseph’s Senior Secondary School, Kanpur

Jun 2021

CGPA: 8.9/10

Achievements

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Hackathon Finalist — Allenhouse Business School

Kanpur, 2024

[Certificate Link](#)

Secured **2nd Rank** in a DSA-focused hackathon competing against multiple colleges.

Top 3 — Innovative Application Hackathon

Feb 2025

Recognized for building an innovative and scalable application prototype.

LeetCode Achievement | [Badge Link](#)

50+ Day Streak

Coding Ninjas — Top 0.92% Rank | [Badge Link](#)

Bit-Manipulation Badge

Certifications

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Web Development Diploma — STP Computer Education (Remote)

2023–24

Trained in frontend + backend, including React.js, Node.js, MongoDB, and Express.js.

Enterprise-Grade AI Certification — IBM | [Certificate Link](#)

Jun 2024

Interests

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Blockchain and cryptocurrency markets, exploring emerging technologies, full-stack development, AI applications for real-world solutions.