

# Mohd Bilal

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## SUMMARY

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MERN Stack Developer skilled in crafting and deploying scalable, high-performance web applications for 50+ active users. Boosted application efficiency by 25% while maintaining 99% uptime. Adept at Agile practices, RESTful design, and modern deployment workflows.

## SKILLS

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- **Front-end:** React, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Bootstrap
- **Back-end:** Node.js, Express.js, REST APIs, JWT Security, Payment Systems
- **Database:** MongoDB, MongoDB Atlas
- **Tools:** Git, GitHub, Postman, Firebase, Cloudinary, Render, Vercel
- **Programming:** C, Java, Object-Oriented Programming (OOP)

## INTERNSHIP & TRAINING

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- **React.js Trainee – The Entrepreneurship Network** *Aug 2025 – Oct 2025 (3 Months)*
  - Engineered 15+ responsive UI components in React.js, enhancing interface responsiveness by 20%.
  - Utilized Context API and Redux Toolkit for seamless state flow, reducing component re-renders by 25%.
- **MERN Stack Trainee – WsCube Tech** *Jan 2025 – Jul 2025 (7 Months)*
  - Delivered 3 production-ready MERN applications with 99% service uptime and smooth user scalability.
  - Deployed secure payment systems processing 100+ test transactions without API downtime.
  - Refactored backend architecture and database pipelines, cutting API latency by 35%.

## PROJECTS

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- **CodeVista – Learning Management System (MERN)** *GitHub | Live Demo*
  - Architected a full-stack LMS used by 50+ learners with AI-based course discovery and secure transactions.
  - Built role-specific dashboards enabling educators to publish and manage 100+ courses effortlessly.
  - Integrated Firebase Authentication and Cloudinary, improving data protection and media load speed by 40%.
  - Streamlined API structure, reducing average response time from 400ms to 250ms.
- **OneCart – E-Commerce Platform (MERN Stack)** *GitHub | Live Demo*
  - Developed an end-to-end e-commerce system managing 200+ products with live stock synchronization.
  - Implemented JWT-secured authentication and Razorpay integration, completing 100+ secure transactions.
  - Accelerated frontend rendering by 30% through React optimization and modular code structure.
  - Introduced voice-command access, enhancing usability and extending session engagement by 18%.
- **AI Virtual Assistant – React & Gemini API** *GitHub | Live Demo*
  - Engineered an intelligent voice assistant powered by Gemini API with 95% command accuracy.
  - Enabled speech recognition and text-to-speech for smooth, real-time conversational flow.
  - Designed contextual memory for adaptive, multi-turn interactions resembling natural dialogue.

## EDUCATION

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- **Allenhouse Institute of Technology** *Aug 2021 – Jun 2025*  
Bachelor of Technology in Computer Science and Engineering

## CERTIFICATIONS

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- **MERN Stack Development – WsCube Tech** *View Certificate*  
Completed an end-to-end capstone project cycle covering CRUD logic, authentication, and deployment best practices.