

# ADITYA DIXIT

dixitaditya41@gmail.com — +91 9628941748 — [LinkedIn](#) — [GitHub](#)

## EDUCATION

<b>Maulana Azad National Institute of Technology, Bhopal</b> Master of Computer Applications (MCA)	Aug 2023 – Present <b>CGPA: 8.59</b>
<b>Chhatrapati Shahu Ji Maharaj University, Kanpur</b> Bachelor of Science in Mathematics	Jul 2020 – Apr 2023 <b>CGPA: 7.4</b>

## SKILLS

<b>Programming Languages</b>	Java, JavaScript, TypeScript, Go, Python
<b>Frontend</b>	React, React Redux, HTML5, CSS3, TailwindCSS
<b>Backend</b>	Node.js, Express.js, RESTful APIs, FastAPI, WebSockets
<b>Database/Cache</b>	MongoDB, MySQL, PostgreSQL, Redis
<b>Cloud/DevOps</b>	AWS, Docker, Kubernetes, Nginx, GitHub Actions, Vercel
<b>CS</b>	Data Structures and Algorithms, Operating Systems, OOP, DBMS, CN

## EXPERIENCE

<b>Wikiance, Backend Developer Intern</b>	December 1, 2024 – June 30, 2025
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- Architected high-throughput **RESTful APIs** using **Node.js**, **MongoDB**, **caching**, and **GitHub Actions**-based pipelines to slash API response times by **20%**.
- Integrated **role-based access control (RBAC)** using **JWT authentication**, securing **30+ endpoints**.
- Developed and maintained **50+ APIs** for two key modules—**Wikiance Control Panel** and **Hiver Ticket**.
- Set up a real-time notification system using **RabbitMQ** to handle user events (e.g., role updates, edit requests).
- Ensured robust API boundaries with **Zod**-based schema validation, while using **SonarQube** for maintaining code quality, and **Sentry.io** for real-time error tracking and diagnostics in production.

## PROJECTS

<b>Library Attendance System</b> <small>(React, Node.js, Express.js, MongoDB)</small>	November 2024
• Implemented a <b>Dynamic QR Code-Based</b> attendance system using the MERN stack, eliminating manual processes and improving check-in speed for over <b>3,000+</b> attendees.	
• Created an administrative dashboard with <b>real-time statistics</b> leveraging MongoDB's <b>aggregation pipeline</b> .	
• Successfully deployed on college-owned servers, now <b>live</b> with <b>20,000+</b> attendance entries.	
• Integrated <b>Single Sign-On (SSO)</b> for unified authentication; managed processes with <b>PM2</b> , fronted by <b>Nginx</b> .	
<b>NIT-B Exam Portal</b> <small>(React, Node.js, Express.js, MongoDB)</small>	June 2025
• Implemented <b>role-based authentication</b> to <b>create exams</b> , upload candidates, and schedule CBT sessions.	
• Enabled students to attempt exams through <b>integrated PDF viewing</b> and MCQ interface with automated scoring from uploaded answer keys.	
• Secured exam sessions using <b>Safe Exam Browser</b> for full-screen delivery and anti-cheating controls.	
• Designed reporting system for <b>detailed performance insights</b> and <b>automated result exports</b> .	
<b>WorkLoop</b> <small>(React, Node.js, Express.js, MySQL, Prisma, AWS, Docker)</small>	March 2025
• Developed a <b>workspace platform</b> enabling companies to <b>create workspaces</b> , assign roles, and <b>manage teams</b> .	
• Built an <b>AI-assisted</b> task management system for <b>creating, assigning, and tracking</b> tasks across projects.	
• Integrated real-time <b>WebSocket</b> chat and delivered daily performance and productivity reports via dashboard.	
• Deployed on <b>AWS EC2</b> using <b>Docker</b> for consistent environment setup and scalable deployment.	

## ACHIEVEMENTS

- Finalist**, Arambh Season 2 **National Level Entrepreneurship** Competition
- Completed **Cisco Networking Basics(NASSCOM)** certification.
- National-Level Semi Finalist** in **Flipkart Grid 7.0** and participated in **5+ Hackathons**.
- Solved **500+** **DSA** problems across **LeetCode**, **GeeksforGeeks**.
- Achieved **AIR 316** in **NIMCET 2024**, scored **256** in **CUET**