

ADITYA DIXIT

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EDUCATION

Maulana Azad National Institute of Technology, Bhopal

Master of Computer Applications (MCA)

Chhatrapati Shahu Ji Maharaj University, Kanpur

Bachelor of Science in Mathematics

Aug 2023 – Present

CGPA: 8.59

Jul 2020 – Apr 2023

CGPA: 7.4

SKILLS

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

EXPERIENCE

Wikiance, Backend Developer Intern

December 1, 2024 – June 30, 2025

- 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

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