

# Omkar Mandhare

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Full-stack Developer | Next.js, TypeScript, Node.js, MongoDB

## EDUCATION

### BBA (Computer Application)

Ashoka Centre for Business and Computer Studies, Nashik

8.97 CGPA

2022 – 2025

### 12<sup>th</sup> HSC

KTHM College, Nashik

70%

Jun. 2021

### 10<sup>th</sup> SSC

Adarsh Madhyamik Vidyalaya, Nashik

72%

Jun. 2019

## SKILLS

- **Programming Languages:** TypeScript, JavaScript, HTML, CSS, SQL
- **Frameworks & Libraries:** Next.js, Express.js, React.js, Node.js, Tailwind CSS, Mongoose, Prisma
- **Database:** MongoDB, PostgreSQL
- **Developer Tools & Platforms:** Git, GitHub, Vim/Neovim, tmux, VS Code, Postman
- **Core Concepts:** Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), JWT (JSON Web Tokens), DRY Principle, MVC architecture
- **Soft Skills:** Problem-Solving, Time Management, Adaptability, Critical Thinking, Attention to Detail

## PROJECTS

### AI Powered UML Diagram Generator | MERN Stack in TypeScript (MongoDB, Express.js, React.js, Node.js, Tailwind CSS)

- Build an AI-powered UML Diagram Generator using the MERN stack to convert user prompts into UML diagrams.
- Utilized the Claude AI API to generate PlantUML code for diagram creation.
- The project includes a credit-based system where users receive free credits initially and can purchase additional credits to generate more diagrams.
- Utilized MongoDB to store user data, prompts, generated diagrams, and credit balances.
- The backend is built with Node.js and Express.js to handle API requests, AI interactions, and credit management.
- Email authentication is integrated using nodemailer to verify users and manage accounts securely.

### Faculty Evaluation Platform | Node.js, Express.js, MongoDB, Zod, JWT, HTML, CSS, JS

- Developed a faculty evaluation platform to create monthly reports of faculty's performance.
- Built Node.js and Express.js for backend operations, including route handling, web server management, and database interactions.
- Implemented Zod schemas for robust input validation and error handling.
- Utilized JWT (JSON Web Tokens) and cookies to manage user sessions securely.
- Developed MongoDB schema using Mongoose to manage data structure.
- Stored user, admin information, and evaluation inputs in MongoDB to facilitate monthly report generation.
- Designed user friendly UI using HTML, CSS and JS for dynamic DOM Manipulation.