# DEEP MANDAL

## PURSUING MASTER OF COMPUTER APPLICATIONS

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## SUMMARY

"To secure a challenging role where I can use my technical skills, learn new technologies, and help the organization grow while also developing my career. I am strong in data structures, algorithms, and problem-solving."

## EDUCATION

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| **G.L. Bajaj Institute of Technology and Management** | **Greater Noida** |
| Master of Computer Applications | 2024 - 2026 |
| **University of Kalyani** | **Nadia** |
| B.Sc. in Mathematics | 2019 - 2022 |

## PROJECTS

### LEARNING MANAGEMENT SYSTEM (LMS)

Designed and built a complete Learning Management System (LMS) with separate interfaces for students and teachers to simplify education delivery.

- Implemented course management features that allow teachers to create, edit, and manage courses, assignments, and study materials.
- Created responsive UI using **React.js, Node.js/Express,** and **MongoDB.**
- Implemented custom middleware for validating MongoDB schemas and ensuring secure authentication and authorization.

### AI-BASED TOUR PLANNER

Engineered a full-stack AI Trip Planner using React.js, Node.js, Express, and MongoDB. The interface is responsive and built with CSS.

- Shows popular and hidden travel spots based on user preferences with exact locations.
- Built an **Express** backend with MVC architecture and **Gemini AI** for smart trip plans.
- Integrated **Mapbox API** to provide interactive maps.

## SKILLS

Professional Skills : *C • C++ • Core Java • HTML • CSS • Tailwind CSS • JavaScript • OOP • React • Express.js • Node.js • MongoDB • SQL*

Tools and Platforms : *Git • GitHub • Visual Studio Code • Postman • Joi • Passport.js*
Personal Skills: • Problem-solving • Logical Thinking • Teamwork • Time Management

## STRENGTHS

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| Strong problem-solving and analytical skills | Focused, disciplined, and committed to continuous learning and professional growth. | Works well with team members to complete tasks efficiently |

## KEY ACHIEVEMENTS

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| **LeetCode & GFG — Problem Solver: 300+ problems solved** | Developed full-stack MERN application for online education and AI-Based Tour Planner | Optimized backend structure for efficient role-based data handling. |