

DEEP MANDAL

PURSUING MASTER OF COMPUTER APPLICATION

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SUMMARY

I'm **Deep Mandal**, a postgraduate student pursuing **Master of Computer Application** at **GL Bajaj Institute of Technology and Management**. I have strong foundation in **C/C++** and hands-on experience in **web development** through projects like **Learning Management System** and **AI based Tour Planner**. I am skilled in **HTML, CSS, JavaScript, Git** and **GitHub** and have applied my knowledge of **data structures and algorithms** to build efficient, user-friendly solutions. I am eager to apply my skills to real world challenges and **growth in the IT industry through continuous learning** and collaboration.

EDUCATION

G.L. Bajaj Institute of Technology and Management	Greater Noida
Master of Computer Application	2024 - 2026
University of Kalyani	Nodia
B.Sc. (Hons.) in Mathematics	2019 - 2022

PROJECTS

LEARNING MANAGEMENT SYSTEM (LMS)

Designed and developed a **full-stack** Learning Management System (LMS) with separate student and teacher interfaces to streamline education delivery.

- Implemented course management features enabling teachers to create, edit, and manage courses, assignments, and study materials.
- Developed responsive UI using **React.js, Node.js/Express**, and **MongoDB**.
- Integrated **middleware** and **Passport Library** for secure authentication and authorization.

AI-BASED TOUR PLANNER

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

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




SKILLS

PROFESSIONAL SKILL : **C/C++ • HTML • CSS • JAVASCRIPT • OOPS • REACT • EXPRESS JS • NODE JS • MONGO DB • SQL**




TOOLS AND PLATFORMS : **GIT • GITHUB • VISUAL STUDIO CODE**

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 |
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KEY ACHIEVEMENTS

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|  LeetCode and GFG Problem Solver
Solved 300+ problems |  Developed full-stack MERN application for online education and Ai-Based Tour Planner |  Optimized backend structure for efficient role-based data handling. |
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