

Medha Pant

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Summary

Final-year B.Tech Computer Science student with a strong foundation in Object-Oriented Programming and full-stack web development using the MERN stack. Proficient in MySQL, with hands-on experience in software development projects. Certified in Java Full Stack Development and Database Management Systems. A fast learner with excellent English communication skills, eager to contribute to a dynamic tech team and grow as a software developer.

Education

Mahakal Institute of Technology, Ujjain	Expected April 2026
<i>B.Tech in Computer Science</i>	CGPA: 7.5
Padmaja Higher Secondary School	June 2022
<i>XII (M.P. Board)</i>	84.4%
Vindhyachal Academy	June 2020
<i>X (CBSE)</i>	88.7%

Skills Highlights

Programming Languages: C, C++, Java, JavaScript
Web Development: HTML, CSS, Express.js, Node.js, React.js, JavaScript, TypeScript
Database: MySQL, MongoDB
Frameworks & Libraries: Bootstrap, Java AWT, Java Swing
Tools: Git, GitHub, Postman, Canva
Others: OOPs, Data Structures and Algorithms, Operating Systems, Project Management

Projects

1. EventPal - Event Planning Desktop Application

Technologies Used: Java, AWT, Swing, MySQL

- Designed and developed a GUI-based event management system to streamline event planning workflows.
- Implemented using Java AWT and Swing for the front-end and MySQL for backend data storage.
- Enables users to plan events across multiple categories (e.g., weddings, conferences, parties).
- Captures detailed input such as number of guests, type of event, and preferred arrangements.
- Dynamically fetches relevant data to suggest suitable event packages based on user preferences.
- Applied core Java principles, OOPs, and event-driven programming to ensure seamless user interaction.
- Strengthened skills in GUI design, database connectivity (JDBC), and full application lifecycle.

2. GLOW – Habit Tracker Web Application [GITHUB LINK](#)

Technologies Used: *MongoDB, Express.js, React.js, Node.js (MERN Stack)*

- Allows users to create personalized routines and track their consistency over time.
- Implemented features for setting **daily reminders**, **goal deadlines**, and **habit categories** (health, productivity, self-care, etc.).
- Engineered the **MongoDB database schema** to store habit logs, frequency, user preferences, and completion status with efficient data modeling.
- Focused on code reusability, modularity, and maintainability in backend development while following version control best practices with Git.
- Enhanced skills in **backend architecture**, **database management**, **API security**, and cross-functional teamwork.

3. Wonder Weave – Travel Planning Web Application [GITHUB LINK](#)

Technologies Used: *React.js, Node.js, Express.js, MongoDB, Tailwind CSS*

Role: *Frontend Developer & UI Designer*

- Designed and developed the frontend of a full-stack travel planning platform using **React.js** and **Tailwind CSS**, focused on enhancing user experience and interface aesthetics.
- Enables users to **plan trips**, **create custom itineraries**, and access **real-time travel options** via third-party APIs.
- Integrated APIs to fetch transportation choices (e.g., flights, trains) and local services like **hotels**, **restaurants**, and **tourist attractions**.
- Built interactive UI components for selecting destinations, viewing suggestions, and organizing travel schedules day-wise.
- Emphasized UX-centric design principles including visual hierarchy, accessibility, and ease of navigation.
- Strengthened skills in **frontend frameworks**, **responsive UI design**, and **API-based dynamic rendering** in a team-based development environment.