

# DEEPAK R

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## SKILLS

- **Languages:** C/C++, JavaScript, Python
- **Frontend:** HTML5, CSS3, React.js, Bootstrap, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs
- **Database:** MongoDB, MySQL
- **Tools & Platforms:** GitHub, Git, Postman, Render, Firebase, VS Code
- **Soft Skills:** Team Player, Adaptability, Project Management

## PROJECTS

### ConnectMe | [GitHub](#) Feb' 26 - Mar' 25

- Built a full-stack video conferencing application where users can create and join meeting rooms in real time, handling both frontend and backend without relying on any third-party conferencing service.
- Handled complete login and signup authentication using JWT tokens, integrated REST APIs to ensure seamless communication between frontend and backend keeping all user sessions fully protected.
- Embedded WebRTC and Socket.IO into the backend to enable real-time peer-to-peer video communication, with MongoDB managing all user data and active session records in a well-structured manner.
- Designed a clean and responsive UI using Material UI and Flexbox ensuring every page adapts properly across mobile and desktop screens for a smooth user experience.

**Tech stack:** React.js, Node.js, Express.js, MongoDB, Socket.IO, WebRTC, JWT, Material UI, Axios

### WanderEase | [GitHub](#) Nov' 25 - Dec' 25

- Architected and developed a full-stack travel booking platform where users can browse destinations, plan trips and manage their own reservations through a straightforward and easy-to-use web interface.
- Integrated secure user login and registration using RESTful APIs, connecting the frontend and backend database so that all user accounts and personal data remain consistently protected.
- Structured the entire backend using the MVC pattern keeping the codebase clean, well-organised and easy to debug, which made adding new features significantly faster and more manageable over time.
- Deployed the application on Render by setting up production environments and configuring server settings, ensuring the platform stays fast, stable and accessible to users at all times.

**Tech stack:** HTML, CSS, JavaScript, Node.js, Express

## TRAINING

### Fundamentals of DSA – LPU | [Certificate](#) Jun' 25

- Completed comprehensive training in Fundamentals of Data Structures and Algorithms at Lovely Professional University, gaining strong understanding of arrays, linked lists, stacks, and queues for efficient problem solving.
- Understood and practiced core DSA concepts including recursion, sorting, and searching algorithms by solving structured coding problems and improving logical thinking abilities.
- Developed a Student Mark Analyzer project in C++ by applying object-oriented programming principles to systematically analyze student scores and generate meaningful performance insights.

**Tech stack:** C++, OOPS, DSA

## CERTIFICATES

- Generative AI Professional – Oracle Cloud Infrastructure | [Link](#) Oct' 25
- Master Generative AI & Generative AI tools – Infosys Spring Board | [Link](#) Aug' 25
- Computer Communications Specialization – Coursera | [Link](#) Nov' 24
- Drift Ninjas – Full Throttle Advitiya'24 – IIT Ropar | [Link](#) Feb' 24
- Responsive Web Design Certification – freeCodeCamp | [Link](#) Dec' 23

## ACHIEVEMENT

- Solved 200+ DSA problems across LeetCode and GeeksforGeeks, focusing on arrays, strings, linked lists and recursion while steadily improving problem-solving approach and complexity analysis. Mar' 26
- Advanced to the third round in Binary Blitz 2.0 Hackathon by developing an innovative solution from a unique idea. Mar' 25

## EDUCATION

**Lovely Professional University** Punjab, India  
*Bachelor of Technology – Computer Science and Engineering;* Aug' 23 – Present

**Kendriya Vidyalaya** Tamil Nadu, India  
*Intermediate; Percentage: 84* Jun' 21 – Mar' 23

**Kendriya Vidyalaya** Tamil Nadu, India  
*Matriculation; Percentage: 86* Jun' 20 – Apr' 21