Mayank Kumar Gupta

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Projects

AI Trip Planner (Live) | (GitHub)   **June 2025 − Aug 2025**
- Built an **AI-driven trip planning platform** generating personalized itineraries based on user preferences.
- Integrated **Gemini API** for intelligent recommendations on destinations, activities, and optimized schedules.
- Used **Mapbox** for interactive maps with real-time route visualization.
- Implemented **Convex (database)** for data management and **Clerk (authentication)** for secure workflows.
- **Technologies:** React.js, Next.js, Tailwind CSS, Gemini API, Mapbox, Convex, Clerk, Vercel

E-commerce Platform (Live) | (GitHub)   **Feb 2025 − Mar 2025**
- Developed a scalable **full-stack e-commerce application** with browsing, cart, checkout, and authentication.
- Designed and deployed **RESTful APIs** with 15+ endpoints managing products, users, and transactions.
- Implemented **Redux Toolkit** for efficient state management ensuring seamless user experience.
- **Technologies:** React.js, Redux Toolkit, Node.js, Express.js, MongoDB, Vercel

Movie Blogging Platform (Live) | (GitHub)   **Nov 2024 − Dec 2024**
- Developed a blogging platform featuring **dynamic movie reviews** and responsive design for accessibility.
- Created an interactive **3D hero section** and gallery with **OGL (WebGL)** for immersive user interaction.
- Implemented smooth transitions and **micro-animations** with **Framer Motion** for enhanced engagement.
- Added serverless **contact functionality** using **EmailJS**.
- **Technologies:** React, TypeScript, Tailwind CSS, Framer Motion, OGL (WebGL), EmailJS

Technical Skills

Languages: C++ (Proficient), Java, JavaScript, TypeScript, Python, PHP, C
Frameworks & Libraries: React.js, Node.js, Express.js, Tailwind CSS, HTML5, CSS3
Databases: MySQL, PostgreSQL, MongoDB
Tools & Platforms: Git, GitHub, VS Code, Sublime Text, Vercel
Core Skills: REST API Development, Problem Solving, Adaptability, Project Management

Certifications

Full Stack Web Development - CSE Pathshala (Certificate)   **June 2024 − Aug 2024**

ChatGPT Advanced Data Analysis - Coursera (Certificate)   **Mar 2024 − Apr 2024**

Data Structures and Algorithms - Udemy (Certificate)   **Feb 2024 − Apr 2024**

Prompt Engineering for ChatGPT - Coursera (Certificate)   **Jan 2024 − Feb 2024**

Achievements

Competitive Programming: Solved **400+ Data Structures and Algorithms problems** across multiple platforms – LeetCode, GeeksforGeeks, CodeChef.
Leadership: Coordinated and managed the **Skill Showcase Fest**, leading event planning and execution.

Education

Lovely Professional University (LPU)   **Aug 2022 − Jul 2026**
B.Tech, Computer Science and Engineering | CGPA: 7.3   *Jalandhar, Punjab*
Saraswati Vidya Mandir Sr. Secondary School   **Apr 2021 − Mar 2022**
Intermediate (PCM) | Percentage: 82%   *Agra, Uttar Pradesh*
SMT Sridevi Awasiya Vidyapeeth   **Apr 2019 − Mar 2020**
High School | Percentage: 70%   *Agra, Uttar Pradesh*