

# Raj Gupta

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GitHub: <https://github.com/rajguptaaa/>

## Projects

### AI Text to Image Generator (MERN)

July 2025

- Built a full-stack SaaS platform that converts text prompts into AI-generated images using the ClipDrop API.
- Executed user authentication with JWT, session management, and credit-based usage tracking for secure access.
- Integrated Razorpay Payment Gateway to enable purchasing additional credits.
- Integrated RESTful APIs with MongoDB database for efficient data handling.
- Cloud-based SaaS application deployment, Deployed on Netlify, ensuring seamless access and uptime.

### AI Chatbot

July 2025

- Developed an AI-powered chatbot web application emulating Google Gemini functionality for multi-turn conversations, code generation, and content summarization.
- Implemented dynamic state management in React for contextual conversation handling Integrated API.
- Integrated Gemini API to enable natural language understanding and real-time response generation
- Optimized UI rendering, resulting in 40% faster response time across devices.
- Deployed projects on cloud platform(Netlify).

### Spotify Clone (Frontend)

May 2025

- Created a pixel-perfect responsive UI clone of Spotify with dynamic playlist rendering and custom audio player controls.
- Enforced React Router for navigation and component-driven architecture for better maintainability.
- Optimized loading performance using lazy loading for large assets.

## Certificates/Certification

### Cloud computing

November 2024

NPTEL by IIT K' (12 Weeks)

### Data Structures and Algorithms

June 2024

Self-Paced (C++) by GFG. (2 Months)

### Generative AI for everyone

May 2024

Fractal Analytics Coursera

## Skills

**Technical Skills:** HTML5, CSS, JavaScript, React.js, Express.js, Node.js, MongoDB, C++, Git, Postman, Data Structures, REST APIs

**Soft Skills:** Problem Solving, Teamwork, Adaptability, Communication

## Acheivements

- Solved 200+ DSA problems on LeetCode**, improving algorithmic efficiency and problem-solving skills.
- Community Development Project**  
(Vidya Bharti NGO Sikkim) (30-Hours)

July 2025

June 2023

## Education

### Lovely Professional University

2022 - Present

Bachelor of Technology, CSE, CGPA: 7.11

Phagwara, Punjab

Relevant Coursework: Data Structures and Algorithms, Operating Systems, Database Management Systems, Artificial Intelligence, Computer Networks, Software Engineering, MERN

### Kendriya Vidyalaya Sangathan

2021 – 2022

Senior Secondary School Certificate (12th Grade), Percentage: 71.4%

Gangtok, Sikkim

Key Subjects: Physics, Chemistry, Mathematics

### Kendriya Vidyalaya Sangathan

2019 – 2020

Matriculation; Percentage: 76.2%

Gangtok, Sikkim