

# VIPUL GUPTA

Ambala, Haryana, India

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## Education

### Maharishi Markandeshwar (Deemed to be University)

Ambala, India

Bachelor of Technology in Artificial Intelligence & Machine Learning

June 2025 – August 2029

- Relevant Coursework: Web Development, Database Management

## Technical Skills

**Languages:** Python, JavaScript (ES6+), HTML5, CSS3

**Frontend:** React.js, Redux, Tailwind CSS, Responsive Design, Vite

**Backend:** Node.js, Express.js, REST APIs, JWT Authentication

**Database:** MongoDB

**Tools & Technologies:** Git, GitHub, Postman, VS Code, npm, Linux

**Core Competencies:** MERN Stack Development, React Hooks, State Management, UI/UX Design

## Projects

### Notes Sharing Platform | *React, Node.js, Express, MongoDB, Tailwind CSS, JWT*

2024

- Developed a full-stack web application enabling students to upload, share, and download academic notes with role-based access control
- Implemented secure user authentication using JWT tokens and password hashing with bcrypt for enhanced security
- Designed responsive UI with dark/light theme toggle using Tailwind CSS, improving user experience across devices
- Built RESTful APIs with Express.js for CRUD operations and integrated MongoDB for efficient data management
- Architected an admin panel for content moderation and user management (in development)

### MyStudyTracker | *React, Redux, Vite, Chart.js, Local Storage API*

2024

- Building a personal academic dashboard for students to track assignments, attendance, grades, and study schedules
- Utilized Redux for centralized state management across multiple components and data visualization using Chart.js
- Implemented React Hooks (useState, useEffect, useContext) for efficient component lifecycle management
- Optimized build performance using Vite, reducing development server start time by 60% compared to Create React App

### Portfolio Website | *React, Tailwind CSS, Framer Motion, Responsive Design*

2024

- Created a modern, animated portfolio website showcasing projects and skills with smooth scroll animations
- Achieved 95+ performance score on Google Lighthouse through code optimization and lazy loading techniques
- Deployed on Vercel with CI/CD pipeline for automated builds and seamless updates

## Experience

### Open Source Contributor

Remote

Various Open Source Projects

2024 – Present

- Actively contributing to open-source projects on GitHub, focusing on React components and documentation improvements
- Collaborated with developers worldwide using Git version control and pull request workflows

## Achievements & Certifications

Built 2+ full-stack projects demonstrating proficiency in MERN stack and modern web development practices

Self-taught developer with strong foundation in React.js, Node.js, and RESTful API design

Actively learning AI/ML concepts including Neural Networks, TensorFlow, and Scikit-learn

## Additional Information

**Interests:** EdTech Solutions, AI Integration in Web Apps, Open Source Development

**Soft Skills:** Team Collaboration, Problem Solving, Time Management, Continuous Learning, Adaptability

**Languages:** English (Fluent), Hindi (Native)