

Vivek Sharma

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Education

CGC College Of Engineering

B.Tech, Computer Science Engineering (CGPA: 8.20/10.00)

Landran, India

2022 – 2025

Swami Devi Dyal College Of Technical Education

Diploma, Computer Engineering (Percentage: 80.32%)

Panchkula, India

2018 – 2021

Projects

Codebase 🐙 | *Next.js, Node.js, TypeScript, MongoDB, Redux Toolkit*

January 2025 – March 2025

- Built full-stack educational platform with authentication, video streaming, quiz system, and assignment submission capabilities
- Implemented JWT authentication, Cloudinary media storage, and email automation with Nodemailer/Handlebars
- Developed REST APIs and optimized frontend state management using Redux Toolkit with RTK Query

TalkSphere 🐙 | *Socket.io, Node.js, React, Prisma, PostgreSQL*

July 2024 – August 2024

- Built a web application for real-time chat and file sharing, using Socket.io for instant communication between users.
- Implemented user authentication and profile management, including avatar upload and selection; designed the user interface with React and Material-UI for consistency and accessibility.
- Optimized database queries with Prisma ORM and PostgreSQL, improving response time by 30% and reducing server resource usage by 25%.

College-Connect 🐙 | *HTML, Bootstrap, JavaScript, jQuery, Node.js, MySQL, Sequelize*

Sep. 2023 – Oct. 2023

- Developed a social platform for college students to share resources, post updates, and communicate with peers.
- Implemented user authentication, profile management, and messaging features using Node.js, Sequelize ORM, and MySQL.
- Improved platform response time by 25% and reduced database query time by 30% through optimized Sequelize queries and server-side code.

WordMaze 🐙 | *React, Vite, JavaScript, HTML, CSS*

June 2024

- Developed an interactive web-based word puzzle game where users solve word challenges to progress through maze-like levels.
- Implemented dynamic difficulty and adaptive game logic to maintain a challenging and engaging experience.
- Designed and styled the interface using React components and CSS, ensuring accessibility and cross-device compatibility.

Technical Skills

- **Programming Languages:** Java, JavaScript, Python
- **Frontend:** React, Redux, Material-UI, Styled-Components
- **Backend:** Node.js
- **Databases:** MySQL, PostgreSQL, MongoDB
- **Systems/Platforms:** Git, Windows, GitHub

Certifications

- Introduction to Networking – CISCO ACADEMY (Completed: November 2020)
- Python Programming Masterclass – Udemy (Completed: November 2020)
- Web Development Fundamentals – IBM (Completed: March 2025)