

VANSH KUMAR GARG

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Education

Thapar Institute of Engineering and Technology, Patiala, Punjab

Sep 2022 – May 2026

B.E. in Computer Science and Business Systems

Current CGPA: 7.86

Mahindra Public School, Bathinda, Punjab

May 2022

XII (CBSE)

12th Grade: 89.3%

Technical Skills

Domains: MERN Stack Development, Database Management

Languages: C/C++, HTML5, CSS3, JavaScript, SQL

Frameworks/Libraries: Node.js, React.js, Express.js

Tools/Platforms: VS Code, MongoDB

Systems/Version Control: Linux, GitHub

Relevant Coursework

- Data Structures
- Artificial Intelligence
- Algorithms Analysis
- Operating Systems
- Database Management
- Software Engineering
- Machine Learning
- Statistical Modeling

Projects

Food-Delivery Website | *React, Redux Toolkit, Node.js, MongoDB, Postman, Tailwind CSS*

Github

- **User Registration and Authentication:** Secure user sign-up, login, and logout functionality with session management to ensure a seamless user experience.
- **Menu Management:** Created an interactive menu, allowing users to browse and view up-to-date restaurant offerings with real-time updates.
- **Order Management System:** Integrated a comprehensive order system where users can add items to the cart, place orders, and track them. The backend efficiently manages order status and updates.
- **Full-Stack Development & Database Integration:** Developed the backend using RESTful APIs, linking the frontend with a relational database to store user accounts, menu items, and order details for seamless data flow and efficient retrieval.
- **Responsive Design & Interactive UI:** Built a user interface ensuring compatibility across devices. Improved user interaction by integrating components like cart management, order summary, and search filters.
- **Admin Dashboard & Analytics:** Managed an admin panel to oversee user accounts, restaurant menu items, order processing, and provide detailed analytics on order volumes, sales, and customer trends.
- **Version Control & Collaboration:** Using Git for effective version control, collaborating with team members, and seamlessly managing code changes to ensure smooth project development.

E-Commerce Website | *HTML, CSS, JavaScript*

Github

- **Front-End Development:** Responsive layouts using HTML, CSS, and JavaScript.
- **E-Commerce Design:** Built functional e-commerce components like product displays, shopping cart integration, and promotional banners.
- **UI/UX Improvements:** Improved user experience focusing on mobile-friendly designs and interactive elements.
- **Integration of Assets:** Leveraged external libraries such as Font Awesome for icons and additional styles.

CryptoCrow - Your Gateway to the Crypto World | *HTML5, CSS3, JavaScript*

Github

- **AI-driven market analysis and sentiment tracking** using Binance API.
- **Designed intuitive frontend** with responsive UI/UX and interactive charts
- **Integrated 3 plugins** on ON Demand (an AI-centric operating system) for better AI capabilities.

Certificates

Data Structures & Algorithms

Jun 2023

Bangalore Computer Education, Bathinda

- Studied key data structures: Arrays, Linked Lists, Stacks, Queues, Trees, and Graphs.

Introduction to C/C++

Sep 2022

Bangalore Computer Education, Bathinda

- Built programming foundation in C/C++ that established the base for CS coursework.