

# Gaurav Tupe

+91 7447-35-8865 | [gauravtupe00@gmail.com](mailto:gauravtupe00@gmail.com) | [linkedin.com/in/GauravTupe](https://www.linkedin.com/in/GauravTupe) | [github.com/VictorPersona](https://github.com/VictorPersona)

## EDUCATION

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**Kolhapur Institute of Technology**  
*Bachelor of Technology in Computer Science*

Kolhapur, MH  
2022 – 2026

## PROJECTS

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**E-Commerce Platform** | *React, Node.js, Express.js, MongoDB, JWT, TailwindCSS*

- Architected a full-stack e-commerce system with a responsive **React frontend** and an **admin panel** for product, order, and user management.
- Developed secure RESTful APIs using **Node.js + Express** with **JWT authentication** and bcrypt for secure user sessions.
- Integrated **Stripe** and **Razorpay** payment gateways to enable seamless checkout with multiple payment options.
- Implemented features including product catalog, shopping cart, order placement, user login/registration, search, and contact form.
- Optimized MongoDB schema design and queries to support scalable product and order workflows.

**Personal Journal App** | *React (Vite), TailwindCSS, Node.js, Express, MongoDB, JWT*

- Built a full-stack personal journal application featuring secure **JWT-based user authentication** and CRUD functionality for journal entries.
- Implemented a responsive and user-friendly frontend using **React with Vite**, styled with **TailwindCSS**, and powered by React Router for smooth navigation.
- Developed a clean and efficient **RESTful backend API** using **Express.js** and **MongoDB** with Mongoose for data modeling and interaction.
- Organized the codebase into clear client and server modules to enhance maintainability and streamline development workflows.

**Weather App** | *React, Vite, CSS, OpenWeatherMap API*

- Built a responsive, client-side weather dashboard using **React** (with Vite for fast development) to fetch and display real-time weather data from the **OpenWeatherMap API**.
- Implemented searchable city input with dynamic display of **temperature, humidity, wind speed**, and weather icons for visual clarity.
- Structured project using a clean **component-based architecture**, with separated style files and API integration for maintainability.

## TECHNICAL SKILLS

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**Languages:** JavaScript, C/C++, HTML/CSS, TypeScript

**Web and Backend:** React, Node.js, Express, MongoDB, Tailwind, REST APIs

**Developer Tools:** Git, JWT, Postman, VS Code

## KEY COURSES TAKEN

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- **CSE & Mathematics:** Introduction to C, Object Oriented Paradigm in C++, Data Structures and Algorithms, Computer Organization and Architecture, Python Programming, Operating System, Database Management System, Computer Networks, Software Engineering, Compiler Design, Computer Graphics, Information Security, Statistical Methods, Discrete Mathematics, Ethical Hacking
- **Others:** Basic Electronics & Electrical Engineering, Engineering Drawing, Digital Electronics, Robotic Process Automation