

Shivansha Pathak

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Education

Vellore Institute of Technology

Bachelor of Technology in Computer Science

CGPA: 8.40

📅 November 2022 – October 2026

Technical Skills

Programming & Scripting: Python, JavaScript, Typescript, SQL

Cloud & DevOps Platforms: AWS (EC2, S3, IAM)

Developer Tools: Figma, VS Code, Git, GitHub

Technologies/Frameworks: React.js, Node.js, Express.js, MongoDB, HTML5, CSS, REST APIs

Projects

Smart Recipe Finder | *React, Node.js, MongoDB, Node.js* | [🔗 Link](#)

September 2025

- Created 'Smart Recipe Finder,' an AI-powered recipe platform enabling personalized meal planning through ingredient-based and preference-based recommendations.
- Engineered an intelligent recipe matching engine with scoring logic, multi-category filtering, and automated ingredient substitution to enhance search precision.
- Implemented a personalized discovery workflow including favorites, randomized suggestions, and contextual recommendations to drive user engagement and retention.
- Designed a highly responsive interface featuring preference persistence, serving-size adjustments, and theme toggles, improving usability across diverse user groups.

GreenCart | *MongoDB, Express.js, React, Node.js, Stripe* | [🔗 Link](#)

February 2025

- Developed 'GreenCart,' an environmentally conscious e-commerce platform with a streamlined MERN architecture, delivering smooth navigation and a refined user experience.
- Integrated secure Stripe payment processing, an intelligent chatbot module for immediate support, and a dedicated content section for sustainability awareness.
- Built end-to-end platform features including dynamic product displays, user authentication flows, and responsive layouts optimized for all device categories.
- Designed an admin management system for products, orders, and users, improving operational oversight and enhancing system governance.

Tomato - A food delivering app | *MongoDB, Express.js, React, Node.js, Stripe* | [🔗 Link](#)

December 2024

- Engineered asynchronous Stripe payment workflows within 'Tomato,' slashing checkout completion times, accelerating order processing, and elevating overall user satisfaction by a quantifiable margin.
- Fortified backend security for 'Tomato' app using Node.js and Express.js, which protected all CRUD operations and Stripe payments, leading to zero reported security vulnerabilities post-launch.
- Standardized MongoDB schema designs across three core platform modules (orders, users, transactions), improving data retrieval speeds and reducing data inconsistencies, based on error logs.
- Implemented logging and monitoring solutions to detect and resolve system issues, improving uptime and reliability.

Experience

SniperThink – *Frontend Developer*

August 2025 - October 2025

- Developed and deployed two fully responsive websites from design to implementation, ensuring seamless performance across devices.
- Converted high-fidelity UI/UX designs into interactive React-based interfaces, adding smooth animations and optimized component structures.
- Collaborated with the UI/UX and AI engineering teams to refine designs, integrate APIs, and enhance overall frontend performance and scalability.

Certifications and Achievements

- Enhanced code optimization skills by solving 130+ data structure and algorithm exercises; applied acquired knowledge to identify and resolve bottlenecks in existing code, improving overall performance.
- Completed Software Engineering Job Simulation Program by JPMorgan Chase & Co. (Forage, Oct 2025) — focused on project setup, Kafka, REST API integration, and controller development.