Shivansha Pathak

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</> leetcode | ⓞ github

Education

Vellore Institute of Technology   📅 November 2022 – October 2026
Bachelor of Technology in Computer Science
CGPA: 8.40

Technical Skills

Programming & Scripting: Python, JavaScript
Cloud & DevOps Platforms: AWS (EC2, S3, IAM)
Developer Tools: Git, GitHub, VS Code
Technologies/Frameworks: Node.js, React,js, Express.js, Redux, MongoDB, SQL

Projects

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.

GreenCart | *MongoDB, Express.js, React, Node.js,Stripe* | ⓞ Link   **February 2025**
- GreenCart, an eco-friendly e-commerce platform using HTML, CSS, JavaScript, React and Node.js offering sustainable products at affordable prices with a smooth, user-centric UI/UX.
- Integrated Stripe payment gateway for secure transactions, a chatbot for real-time customer support, and a blog section to promote environmental awareness.
- Designed and implemented full-stack functionality with dynamic product listings, user authentication, and responsive layouts for all devices.
- Implemented an admin dashboard to manage products, orders, and users efficiently, enhancing overall system control and operational workflow.

Smart Pecipe Finder | *React, Node.js, MongoDB, Node.js* | ⓞ Link   **September 2025**
- Developed an AI-powered recipe recommendation web app using React and Tailwind CSS, enabling personalized meal suggestions based on user ingredients and dietary preferences.
- Designed an advanced recipe matching system featuring compatibility scoring, multi-filter options (cuisine, difficulty, cook time), and a smart substitution engine for ingredient alternatives.
- Implemented a personalized discovery flow with favorites, "Surprise Me" suggestions, and "You might also like" recommendations to increase user engagement and retention.
- Built a responsive, user-friendly interface with features like favorites persistence, personalized recommendations, serving size calculator, and dark/light mode toggle for enhanced user experience.

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.