**AMRITANSH RAI**

(**FULL-STACK WEB DEVELOPER**) **|** **NEW DELHI – 110047 | INDIA | 9818864977**

**DETAILS**

Passionate programmer with five years of experience in full-stack web development, having worked on multiple real-world projects. Continuously expanding expertise in Data Science, Machine Learning, and Data Structures & Algorithms (DSA) to stay at the forefront of technological advancements.

**EXPERIENCE**

**WEATHER SITE | MARCH - 2024**

- Developed a website that retrieves real-time weather information from a weather API based on user-searched locations.

- Integrated frontend (UI), backend (REST APIs), and database management for handling user sessions.

- Implemented error handling and caching mechanisms to enhance performance and ensure a smooth user experience, even during API failures or network issues.

**BASIC E-COMMERCE SITE | APRIL - 2024**

- Developed a basic e-commerce website with a user-friendly interface, featuring product listings, a shopping cart, and a checkout system.

- Implemented a robust authentication system with password formatting requirements and secure storage using bcrypt hashing.

- Designed a responsive UI using Bootstrap and integrated Razorpay as the payment gateway for seamless transactions.

**LOCATION DETECTOR SITE | MAY - 2024**

- Developed a website that detects the location of two individuals based on the coordinates where their phone numbers are active.

- Utilized Google's Geocoding and Geolocation APIs to process phone number inputs and pinpoint locations on a map.

- Implemented a robust authentication system with password formatting requirements and secure storage using bcrypt hashing.

**FOOD DELIVERY SITE | JUNE 2024 - JULY 2024**

- Developed a food delivery website featuring a comprehensive listing of food items categorized under reputed food chain brands.

- Implemented cart and direct purchase functionalities, along with a coupon code system to provide discounts.

- Utilized React-Redux for efficient state management of orders and cart.

- Integrated a basic user account setup (optional) and an order history page displaying ordered/delivered items.

- Designed a stateful user authentication system using Express-sessions for secure backend management.

- Integrated a payment gateway supporting multiple UPI providers via their SDKs.

**MEDIA-PLAYER SITE | AUGUST 2024 – SEPTEMBER 2024**

- Developed Streamify, a media player website inspired by Spotify, utilizing the Spotify API to display listings of artists, albums, and tracks.

- Implemented user authentication using a stateless method with JSON Web Tokens (JWT), along with Express sessions and cookies for session management.

- Designed a song recommendation system that categorizes and suggests songs based on user listening history.

- Integrated OAuth authentication with Google, Twitter, and GitHub for seamless login.

**ONLINE CHATTING SITE | OCTOBER 2024 - DECEMBER 2024**

- Developed an online chatting platform based on chatrooms, authenticated via a randomly generated Chatroom ID.

- Enabled users to customize their chat account by selecting a username, avatar, and implemented file-sharing functionality, allowing users to send images, documents, and videos within chatrooms.

- Integrated a notification system with an interactive audio tone to enhance user experience.

- Designed a stateless authentication system using JSON Web Token (JWT) and cookies for secure login.

- Adopted the Model-View-Controller (MVC) architecture for better code structure and maintainability.

- Used Tailwind CSS to implement responsiveness with predefined breakpoints, ensuring an optimized user experience across devices.

**PASSWORD MANAGER | JANUARY - 2025**

- Developed a password management website to securely store and manage passwords across multiple platforms, enabling the use of strong, unique passwords for each.

- Implemented authentication using CLERK, allowing secure retrieval of personalized passwords from the database.

- Designed a professional and visually appealing UI using SHADCN UI and MARTIN UI.

- Integrated an HTTPS server in the backend to ensure secure communication and data transfer between the client and server.

- Built fully responsive components and views for an optimized user experience across all devices.

**EDUCATION**

- **B-Tech (Mechanical Engineering)** , Dr. Akhilesh Das Gupta Institute Of Professional Studies, At Shastri Park, New Delhi - 110053

**August 2024 - Present**

I'm an undergrad student of batch (2024-28) pursuing B-Tech in Mechanical Engineering (ME) from ADGIPS, a reputed (IPU) Indraprastha University college, currently in my 2nd year of my degree.

- **10th (High School)** , Chinmaya Vidyalaya, Vasant Vihar, New Delhi - 110057

**April 2021 - March 2022**

I have completed my high school from Chinmaya Vidyalaya, New Delhi with 89.9% of total aggregate.

- **12th (Enter)** , Chinmaya Vidyalaya, Vasant Vihar, New Delhi - 110057

**April 2023 - March 2025**

I have completed my Enter (12th Standard) from Chinmaya Vidyalaya, New Delhi with 75% of total aggregate.

**COURSES**

- **MERN** Stack , Pregrad Online

**January 2025 - June 2025**

**EXTRA-CURRICULAR ACTIVITIES**

- Hackathon at Geeks For Geeks **(GFG)** , Noida, UP