

Parth Sinha

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Introduction

Ambitious fourth-year B.Tech Computer Science Engineering student with a robust background in full-stack web development and a keen specialization in Cybersecurity & Digital Forensics. Currently advancing expertise with CEH certification, I am passionate about building secure and scalable web applications while mitigating evolving cyber threats.

Work Experience

Full Stack Developer MERN

27/01/2025 - 14/04/2025

SmartBridge | Remote Internship

Developed a full-stack social media platform, "MaitriLok," using the MERN (MongoDB, Express.js, React, Node.js) stack, designed to enhance user interaction and digital connectivity in a secure and modern interface.

Key Contributions & Responsibilities:

- Implemented core user authentication and authorization using JWT and bcryptjs, including user registration, login, and secure password storage.
- Designed and developed a responsive and intuitive user interface with React.js and Tailwind CSS, enabling seamless navigation and customizable themes.
- Engineered real-time chat and messaging functionalities, enhancing user experience through instant communication and notifications.
- Developed robust RESTful APIs with Express.js and Node.js for efficient backend operations, handling content creation, sharing, and user profile management.
- Integrated Firebase Storage for efficient image uploads and media URL handling.
- Enabled content sharing capabilities, allowing users to create, view, save, and manage text-based posts, images, and videos.
- Implemented a follow system, empowering users to expand their social network and fostering community engagement.
- Conducted performance and user acceptance testing, identifying and addressing bugs related to chat synchronization and post functionalities.

Certificate of Completion

Skills

- **Programming Languages:** Java- (4/5) , C++ (3/5), python(2/5)
- **Web Technologies:** HTML, CSS, JavaScript , React.js, Node.js, Express.js , MongoDB , AWS
- **Database Management:** MongoDB, MySQL
- **Version Control:** Git, GitHub
- **Tools & Platforms:** VS Code, LINUX, WINDOWS

Projects

Food Share

github.com/Parth-coderr

- Developed a user-friendly web application enabling seamless registration for food donors.
- Implemented an intuitive interface for inputting food details, including **type, quantity, and expiration date**, resulting in **efficient data management**.
- Integrated real-time tracking of food donations, **improving transparency and logistics**.
- **Tech Stack:** HTML, CSS, JavaScript, Node.js, MongoDB

Education

VIT Bhopal University | Bachelor of Technology (B.Tech)

(2022- Sept 2026)

Computer Science Engineering with specialization in Cybersecurity and Digital Forensics

CGPA: 8.00/10

St.John's School Marhauili (CISCE) :

Class XII: **82% (2021)** | Class X: **89% (2019)**

Global Certification

- MongoDB Database Administrator , MongoDB Node.js Developer , IBM journey to Cloud, ML with Python , Computer Vision and Image Processing , Certified Ethical Hacker (CEH V12)

Achievements

- Developed strong performance and presentation skills through active participation in college drama productions **Darpan**.
- Demonstrated teamwork and collaborative abilities through involvement in on-stage singing performances **Sargam**.
- Actively participating in the 100 Days of Code initiative, demonstrating commitment to continuous learning and improvement in software development.
- Consistently practicing and solving coding challenges on LeetCode and HackerRank, building proficiency in data structures, algorithms, and problem-solving techniques.