

SIDDHARTH SHAKYAWAR

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EDUCATION

University Institute of Technology , RGPV

Bhopal, MP, India

• B.Tech (Computer Science Engineering) - **CGPA : 8.11**

2021-2025

Jyoti Convent Sr Sec School (CBSE)

Biaora[rajghar], MP, India

• Higher Secondary Education - **84%**

2019-2020

INTERNSHIP

Frontend Developer @Aay-Technology

Feb 2023 - August 2023

- Developed and optimized **10+ responsive web pages** in React.js, enhancing **user experience and mobile compatibility by 40%**.
- Enhanced site performance by **35%**, through **lazy loading, component optimization**, and smooth navigation across pages.
- Integrated **React-based motion effects and hover interactions**, improving UI responsiveness and user engagement by **60%**.
- Built **responsive post creation and interaction features** with React, boosting front-end interactivity and user engagement by **45%**.

PROJECTS

Stock Trading Platform (Inspired by Zerodha)

Tech Stack: React.js, Node.js, Express.js, MongoDB, JWT, Chart.js, Socket.io.

- Built a **full-stack stock trading platform** enabling users to authenticate, track portfolios, and view simulated real-time stock data — using **pre-seeded database values** to replicate live market behavior and enhance feature realism by **80%**.
- Integrated **interactive charts** (Chart.js) for market visualization, enhancing data clarity and user engagement by **40%**.
- Implemented **JWT authentication** and role-based access control, strengthening data security and reducing unauthorized access **risk by ~90%**.
- Enhanced backend performance by 35% using MongoDB indexing and efficient query structuring for faster data retrieval.

Smart Conversational Assistant (Inspired by ChatGPT)

Tech Stack: React.js, Node.js, Express.js, MongoDB, API, Tailwind CSS.

- Developed an **AI-powered conversational assistant** delivering real-time, context-aware responses using OpenAI's GPT API — achieving an average response latency under **1.2 seconds**.
- Added chat history retention and context continuity, improving session coherence and user satisfaction by **~60%**.
- Designed a **clean, mobile-responsive UI** with Tailwind CSS, increasing front-end rendering efficiency by **30%**.
- Deployed via **Vercel (frontend) and Render (backend)** for reliable performance and **automated CI/CD** updates.

SKILLS

Languages :	Java, Python, JavaScript, Html5, Css3.
Framework/ Libraries :	React.js, BootStrap, Css-tailwind.
Backend/ Database :	Node.js, MySQL, MongoDB.
Soft Skills :	Communication, Collaboration, Problem Solving, Adaptability.
Course Work :	OOPS, DBMS, DSA.
Developer Tools :	Git/GitHub, Pycharm, VS Code, Figma.

COURSES & CERTIFICATIONS

- certification in completing the basic web development course from Udemy.
- Completed basic Python programming training through Infosys InStep.
- Aay - Technology Internship Certificate