SYED RAYYAN

Software Development Engineer (SDE) Intern | Computer Science Undergraduate

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Codeforces: https://codeforces.com/profile/syedryaaan • **CodeChef:** https://codechef.com/users/syed_ryaaan

PROFESSIONAL SUMMARY

Computer Science and Engineering undergraduate with hands-on experience in full-stack application development, problem-solving, and collaborative software engineering. Familiar with C++, JavaScript, React.js, Node.js, Express.js, and MongoDB. Experience working on web applications, contributing to open-source projects, and leading a development team. Interested in building reliable software solutions and exploring practical applications of Generative AI, RAG, and Agentic AI.

EDUCATION

Hi-Tech Institute of Engineering & Technology (Mirai School of Technology) **2025 – 2029**

Bachelor of Technology (B.Tech) – Computer Science and Engineering — Ghaziabad, Uttar Pradesh

TECHNICAL SKILLS

- **Programming Languages:** C++, Python, JavaScript
- **Frontend Development:** HTML5, CSS3, React.js
- **Backend Development:** Node.js, Express.js, REST APIs
- **Databases:** MongoDB, Mongoose, ChromaDB
- **Generative AI & LLMs:** Generative AI, Large Language Models (LLMs), Prompt Engineering
- **AI Engineering:** Retrieval-Augmented Generation (RAG) fundamentals, LangChain, Embeddings, Vector Search, Document Processing
- **Emerging AI Concepts:** Agentic AI, AI Agents
- **Developer Tools & Core:** Git, GitHub, VS Code, Postman, Data Structures & Algorithms (DSA), OOP

PROJECTS

NexaStore – MERN E-Commerce Platform **Live Demo • GitHub**

Live: https://project1-3-6551.onrender.com/ • Repo: https://github.com/syedryaaan/project1

- Customized and extended a full-stack e-commerce application using the MERN stack (based on the ProShop foundation).
- Worked with React, Redux, Node.js, Express.js, and MongoDB to support storefront, shopping cart, user authentication, and admin workflows.
- Implemented and integrated product discovery, filtering, reviews, wishlist, JWT role-based access, PayPal checkout, and order management.

XSHostel – Campus Hostel Management System **Full-Stack Developer & Team Leader**

- Leading a four-member team in developing a campus hostel management application using React.js, Node.js, Express.js, and MongoDB.
- Coordinating development activities, repository workflows, code reviews, Git branches, and pull requests via GitHub.
- Contributing to backend REST APIs, frontend modules, and database integration for hostel operations.

MandiMitra – Voice-Powered Mandi Companion **AI-Powered Product Concept**

- Conceptualized a voice-first AI assistant to help farmers record and understand crop-sale transactions.
- Designed the product concept around regional-language voice interaction and structured transaction records.
- Focused on making digital record-keeping more accessible to small and marginal farmers.

OPEN-SOURCE CONTRIBUTIONS

Axios **Open-Source Contribution**

- Worked on improving nested URL-encoded Buffer path handling and contributed a fix with supporting test coverage via pull request.

ShopSphere **Open-Source Contribution**

- Contributed frontend improvements, including toast notifications and theme-toggle functionality, using React.js and Vite.

ACHIEVEMENTS & LEADERSHIP

- **Team Leadership:** Leading a four-member development team on the XSHostel full-stack project.
- **Open Source:** Participated in open-source contributions to projects including Axios and ShopSphere.

LANGUAGES

English, Hindi, Telugu, Urdu