

SANJAI S

SOFTWARE ENGINEER

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ABOUT ME

Software Engineer Intern | Competitive Programmer | Robotics & Automation Specialist
| University Chess Player | Social Impact Contributor | Ethical Hacker | AI & IoT Enthusiast

OBJECTIVE

Motivated **Software Engineer** with real-time experience as a **Software Engineer Intern** at *Vizh AI Solutions*. Strong foundation in **full-stack development**, **ethical hacking**, and **IoT**. Proficient in **Java Spring Boot**, **React.js**, **Next.js**, and **MySQL**, with a passion for **AI and automation**. Seeking an opportunity to contribute to innovative projects and advance technological solutions in a dynamic role.

WORK EXPERIENCE

Intern | Vizh AI Solutions (October 2024 – Present)

- Developed **REST APIs** for web applications using **Java Spring Boot** and **MySQL**.
- Worked on **frontend and backend development** using **React.js** and **Next.js**, integrating **Supabase (PostgreSQL)** for efficient data management.
- Currently contributing to an **AI project**, focusing on **LLM models** and their interaction with **API requests and data retrieval**.

EDUCATION

SASTRA University, Thanjavur, Tamil Nadu

B. Tech – Computer Science and Business Systems (CSBS)

Minor in Robotics and Automation

2022 – 2026 | **[Standing CGPA – 8.8091]**

Sri Vidya Mandir Sr. Sec. School (CBSE)
,Thirukoilur, Tamil Nadu

2022 | **HSC [Graduated with 91.8%]**

2020 | **SSLC [Graduated with 91.4%]**

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Python, SQL, PHP, Arduino, MATLAB, R Programming
- **Web Technologies:** HTML, CSS, JavaScript, Bootstrap, React.js, Next.js, PHP, MongoDB, OracleDB
- **Databases:** MySQL, PostgreSQL (Supabase), Firebase
- **Operating Systems:** Linux (strong fundamentals), Windows
- **Tools & Technologies:** Git, GitHub, Cloud Computing, Ethical Hacking, Cybersecurity, IoT 4.0, Docker
- **Networking:** Computer Networks
- **Additional Skills:** Data Structures & Algorithms (DSA), Software Engineering, AI & ML(Basics)

PROJECTS

- **HR Flow Manager** – Developed a LinkedIn-like platform for HRs to track and assign jobs to employees efficiently.
- **Vizh AI Bot** – Designed a UI/UX interface similar to Udemy for an AI-driven chatbot, enhancing user interaction and learning experiences.
- **Smart Light System (IoT 4.0)** – Built an IoT-based smart lighting system to automate energy optimization and improve efficiency.
- **AskYourDoubt Platform** – Developed a web-based student doubt-solving platform with an intuitive UI/UX for seamless knowledge sharing.
- **Industrial Manipulator Development** – Engineered an industrial manipulator using Arduino and motors, with MATLAB simulation for performance optimization.
- **Object Detection Sensor Simulation** – Simulated object detection sensors in Simulink to analyze and enhance detection accuracy.

CERTIFICATIONS

Data Structures and Algorithms in C – Udemy | **Ethical Hacking & Cyber Security** – Selfmade Ninja Academy
Practical Cyber Security for Cyber Security practitioners – NPTEL | **The Joy of Computing Using Python** –NPTEL

EXTRACURRICULAR ACTIVITIES

- **Competitive Programmer** – Actively solving problems on platforms like Leetcode and GeeksforGeeks, focusing on DSA and algorithmic challenges. [[LEETCODE](#) | [GEEKS FOR GEEKS](#)]
- **University Chess Team Player** – Representing the university in various chess tournaments.
- **Member, KS Uphaar** – Organizing fundraising events to support orphanages and old-age homes.