

Sankalp Sharma

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[Portfolio](#) [LinkedIn](#)

Education

Vellore Institute of Technology

Expected May 2026

Bachelor of Technology in Computer Science with specialization in IOT (CGPA: 8.94 / 10.00)

Vellore, India

- **Relevant Achievements:** General Secretary at IET-VIT, Winner of SIH Internal Hackathon 2024, Top 10 AIR in ISC Examinations class XII and received a scholarship of 4 lakhs, Won Inter-School quiz competition India-Inquizitive.

Experience

MedWander

Oct 2024 – Jan 2025

Full Stack Developer Intern

Remote

- Improved the **user interface** by redesigning key components for better **responsiveness** and **accessibility**, while performing **regular maintenance** to enhance **website performance** and ensure **minimal downtime**.
- Designed and implemented **multilingual support** by utilizing **database pooling** techniques, enabling the platform to cater to a **diverse global audience** with seamless **language translations**.
- Conducted extensive **web scraping** to collect, organize, and integrate **large datasets** from various sources, ensuring accurate and **up-to-date information** for the platform's users
- Integrated **automated form-filling** alerts with **Discord**, notifying **employees instantly** whenever a patient filled out a form, **streamlining** the **communication workflow**.

Projects

Echoed Words | Next.js, MongoDB, Tailwind CSS, REST API

- Developed a **dynamic poetry blog platform** aimed at fostering a creative community for poets and readers, allowing users to explore, like, and comment on a wide range of poems, including personal works and user submissions
- Implemented an **intuitive submission** system that enables users to contribute their own poetry effortlessly, enhancing **engagement** and **interactivity** on the platform.
- Leveraged **MongoDB** to ensure **efficient and secure storage** of user-generated content, comments, and interactions, optimizing the platform for **scalability and responsiveness** to support a growing user base.

DigiSwasth | Next.js, FastAPI, MongoDB, Tailwind CSS, REST API

- Developed a user-friendly platform enabling patients to **create profiles**, monitor **vital health statistics**, log symptoms, and **order medications and tests**. This streamlined process enhanced personal health management and provided an intuitive user experience.
- Integrated **machine learning models** to deliver personalized **health insights** and **predictive analyses**, empowering patients with data-driven recommendations and improving overall healthcare outcomes.
- Utilized MongoDB for **secure** and **scalable data management**, ensuring the safe storage of patient information, **real-time updates**, and **seamless user interactions** across the platform.

FasalFix | React.js, CNN Model, Tailwind CSS

- Developed a plant disease detection app powered by a **CNN model** trained on **Kaggle's** plant disease dataset, enabling accurate **image-based recognition** of plant diseases. This innovative solution was selected for national screening at the prestigious **Smart India Hackathon**.
- Designed the app to support **early detection** of plant diseases by providing **actionable preventive** measures and medication suggestions, empowering farmers to safeguard their crops and minimize potential losses effectively.
- Focused on improving **crop health management** in **rural regions** across India by delivering accessible and practical insights, contributing to **enhanced agricultural productivity** and **sustainable farming practices**.

Technical Skills

Languages: Javascript, Java, Python, C/C++.

Technologies: Next.js, React.js, Express.js, Node.js, MongoDB, Tailwind, Github, Vercel, MySQL, i18next, Docker, n8n, FastApi, AWS.

Concepts: GIT, REST APIs, Version Control, SEO, Database Normalisation, Web Scraping, CI/CD.