

# SHIVACHARAN DESHETTI

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## OBJECTIVE

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Aspiring Software Engineer with strong problem-solving skills and backend development expertise, seeking to contribute to Nference's AI-driven biomedical innovations. Proficient in Python, C++, and databases, eager to build scalable solutions for cutting-edge healthcare advancements.

## EDUCATION

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**B.Tech in Computer Science**, Keshav Memorial Institute of Technology Expected 2026  
Focus on Data Structures, Algorithms, Machine Learning, Web Technologies.

**Intermediate**, Srichaitanya Junior College 2020 - 2022  
Specialized in Mathematics, Physics, and Chemistry.

## SKILLS

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**Languages:** Python, Java, C++

**Cloud & DevOps:** AWS, Oracle Cloud, Docker, Kubernetes, CI/CD

**Web Development:** ReactJS, Node.js, Express.js, MongoDB, MySQL

**AI & ML:** Deep Learning, TensorFlow, OpenCV, LLMs, Computer Vision

**IoT & Embedded Systems:** Raspberry Pi, Arduino, IoT Protocols

**Soft Skills:** Problem-solving, Critical Thinking, Teamwork

## PROJECTS

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### TalkWithSigns - Real-time ISL Translator (AI&ML, React, Flask)

- Developed an AI-powered Indian Sign Language (ISL) translator for real-time communication.
- Implemented deep learning models for gesture recognition and conversion to text/speech.
- Built a full-stack web app using ReactJS (frontend) and Flask (backend) with live video feed.

### Automatic Drug Dispenser (IoT, MERN Stack)

- Designed an IoT-based medication management system with smart drug dispensing.
- Developed a full-stack web interface using ReactJS and Node.js.
- Integrated with Raspberry Pi and sensors for real-time monitoring.

### Astronexus - Space Info Platform (MERN Stack)

- Developed a real-time space info platform using NASA APIs.
- Implemented user authentication, space news filtering, and article saving.
- Built UI with ReactJS & Tailwind, backend with Node.js & MongoDB.

## EXPERIENCE

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- Solved 200+ LeetCode problems, strengthening DSA & algorithms.
- Built full-stack applications integrating REST APIs & databases.
- Developed AI models for Classification and trying to Automate Things
- Participated in hackathons like **VNR Hackathon**, **Vasavi Hackathon**, solving real-world challenges.