# Tejas Ajay Parse

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## EDUCATION

**Indian Institute of Information Technology, Sri City**                    **Chittoor, Andhra Pradesh**
B.Tech in Computer Science and Technology                                                    Expected Apr 2024
Specialization in Artificial Intelligence and Machine Learning                    **CGPA (6 Sems): 9.33**

**Relevant Coursework:** *Machine Learning, Deep Learning, Data Structures and Algorithms, OOP, DBMS, Artificial Intelligence, COS, CCN, Full Stack Development, Information Retrieval, Computer Vision*

## EXPERIENCE

**Full Stack Dev 1 Intern - Settyl Tech Pvt Ltd**                    **May 2023 – Sept 2023**
- Working on the company's **micro frontend** architecture and developed several modules one of them being the inventory management module of their supply chain suite.
- Developed **20+ RESTful APIs** in their backend microservice architecture in **Nodejs** and created several **MongoDB** triggers and **Azure Functions** while working closely with the Founder.

**Software Development Intern - Appscms Technologies**                    **Jul 2022 – Nov 2022**
- Built **50+** GIF processing tools for the company on the front end using Web Assembly.
- Developed and tested new features in the company's flagship product with a team of developers which assisted the company in reaching a milestone of **7,00,000 sessions per month**.

## PROJECTS

**Farmer Producer Organization (FPO) Portal** – *[Frontend](#) [Backend](#)*
- Contributed to the **Winning** team at **Smart India Hackathon 2023**, actively involved in developing an analytical portal for comparison of FPOs, coupled with a marketplace for income diversification.
- Implemented a **Smart Voice-based Multilingual NLP Chatbot** using **ReactJs** (Frontend) and **Nodejs** (Backend), alongside **Dialogflow** for Text Chatbot, and **MongoDB** for efficient data management.

**PetSanctum** – *[Github](#) [Website](#) [Demo](#)*
- A web application where one can find animals to adopt and simultaneously upload their pets and apply for the rescue of stray animals through the application.
- Developed 100% RESTful API using **Express.JS** with **MongoDB** as a persistence layer while utilizing **React** on the front end. It follows the **MVC Model** and uses **Redis** for Caching which also is CICD pipelined.

**Devanagari Handwritten Digits Recognition -** *[Github](#) [Website](#)*
- Trained several **locally accelerated GPU CNN** models. Made using **ReactJs** and **FastAPI.**
- These models were boosted by a robust Transfer Learning technique that utilized the features of a **Multilingual OCR dataset** that achieved **99.70%** testing accuracy.

## ACTIVITIES AND LEADERSHIP

**Club Head - IOTA, Projects Club of IIIT Sri City**                    **Sept 2022 – May 2023**
- Lead the **Web Developer Bootcamp** for the Juniors with **5+** sessions on **HTML, CSS, Javascript**
- Organized a **Hackathon** as a part of the college fest which attracted over **400+** participants across India

**Mess Secretary - Student Life Council, IIIT Sri City**                    **Sept 2022 – May 2023**
- Orchestrated dining operations for **1000+** diverse students, curating a balanced dining menu.
- Headed the technical team for Abhisarga, a prominent South Indian Techno-cultural festival where we flawlessly executed **18 events**, drawing in more than **1900** participants across India.

## SKILLS & ACHIEVEMENTS

- **Technical Skills**: PyTorch, HTML, CSS, Javascript, ReactJs, Node, Express, MongoDB, MySQL, Android with Java, Flutter, Python, Java, C++, C
- Languages: English, Hindi; Conversational Proficiency in Marathi, Telugu.
- **Winner** of **Smart India Hackathon 2023** organized by the **Ministry of Education** held across India.
- Ranked among the **Top 50** Speedcubers of **India**. [Results](#)
- Completed **Google Hashcode 2022** with a score of **1071918** pts and a global rank of **3425 (AIR 1456)**.
- Ended Google Kickstart 2021 Campaign with the best rank of **2813.**