

# SATHVIK DACHEPALLI Software Developer

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## WORK EXPERIENCE

2023 – Present

### Software Developer – Products, Trundl

- Engineered SARJ across DC (Java), Atlassian Connect (JS/Node/PostgreSQL/Vite), and Forge (TS/MySQL/tRPC/Drizzle/Zustand/Tailwind).
- Optimized SARJ's assignment engine, reducing computation time by ~20-30%.
- Designed fast-loading minimalist dashboards improving load times by ~25%.
- Developed SPM using the T3 stack, improving workflow stability and data accuracy.
- Refactored performance bottlenecks, resulting in smoother user interactions.
- Performed end-to-end testing, reducing post-release issues by ~0%.

## EDUCATION

2019 – 2023

### B.Tech in Computer Science and Engineering, Sreyas Institute of Engineering & Technology

## SKILLS

### Languages

TypeScript, JavaScript, Python, Java, C++

### Frontend

React, TypeScript, Vite, Tailwind CSS, Zustand

### Backend

Node.js, tRPC, Express, Django

### Atlassian

Forge, Atlassian Connect

### Databases

PostgreSQL, MySQL

### Tools

Git, Docker, VSCode

## PROJECTS

### Smart Cart

- Led a team of 6 developers using Agile to build the IoT-based Smart Cart system.
- Designed and developed an intuitive interface for product navigation and checkout.

### Internet-based Human Vehicle Interface

- Developed an IoT project using ESP32-CAM to remotely control a vehicle.
- Implemented internet-based communication for live control and feedback.

### Sign Language Alphabet Recognition using CNN

- Built a real-time ASL translator using Python and Convolutional Neural Networks.
- Trained model on large gesture dataset to achieve high accuracy.

## CERTIFICATIONS

- NPTEL Certification (Python / DS & ML)
- Atlassian ACP 620 (Managing Jira Projects for Cloud)