

SATHVIK DACHEPALLI Software Developer

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 Sathvik Dachepalli

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.

EDUCATION

- 2019 – 2023 **B.Tech in Computer Science and Engineering,**
Sreyas Institute of Engineering & Technology

SKILLS

Languages	Frontend	Backend
TypeScript, JavaScript, Python, Java, C++	React, TypeScript, Vite, Tailwind CSS, Zustand	Node.js, tRPC, Express, Django
Atlassian	Databases	Tools
Forge, Atlassian Connect	PostgreSQL, MySQL	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)