


# Praveen Thanikachalam

*Bachelor of Engineering in Robotics and Automation*

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*Sri Ramakrishna Engineering College | Coimbatore, TamilNadu*

**Course Concentration :** Robotics, Machine Learning and Simulations

**Graduation - 2025**

## Skills

- **Programming Languages :** C | Lua | Java | Go | JavaScript | TypeScript | Python | SQL | HTML | CSS
- **Frameworks :** Node.js | React.js | Next.js | Recoil | Hono Js | Flask | Spring Boot
- **Databases :** MySQL | MongoDB | PostgreSQL | ChromaDB | Prisma & Drizzle - ORMs
- **Tools :** CI/CID - GIT | AWS | GCP | Cloudflare Workers

## Experience

**Frontend Engineer - Internship** **Weframe-Tech** *Remote work* **10/2024 - 01/2025**

- Working on a **JAMstack**-based web application called '**Neuzorg**' for the **Government of Karnataka**, a public news platform similar to Daily Hunt or Google News.
- Leveraging **Next.js** for the frontend, **TanStack Query** for optimized data fetching, and **Directus** as the **headless CMS**.

**Founder/Developer** **Kong Ltd** *Coimabatore, TN* **01/2024 - 10/2024**

- Developed **OneGo** - a web application that helps students find carpools with other like-minded people.
- Built powerful frontend website architecture with **Next.js**, **Turborepo** and a fully serverless backend solution on **Google Cloud Platform (GCP)**. Initially created as a competition submission and featured at the **2023 Techfest - IIT Bombay**.
- We have chosen to transform OneGo into a **startup venture** under the company "**Kong Ltd**".

**Software Engineering Intern** **Salzer Technologies** *Coimbatore, TN* **04/2023 - 09/2023**

- Collaborated on developing an **in-house transaction API** using **Node.js**, resulting in a **20%** improvement in system performance and **\$2500** annual cost savings. Accomplished by implementing **caching**, **optimized queries**, and used **asynchronous processing** to enhance database access and manage concurrent transactions.
- Authored unit tests for **APIs** and deployed them on a **GitLab CI/CD** pipeline.

## Valuable Collaborations

- Collaborated with **L&T Technologies - Techgium 2025** to build an **Sewage Inspection and Cleaning Robot** which is worth Of **2.5lakhs**, the L&T seems very happy after they did the technical review of this project and they appreciated us for the **Web-App** i built was used for communication and they were impressed by the **Autonomous Navigation System** that we made by ourselves. [Article Published in Money-control News Paper](#)

## Projects

**Scraping web with AI - Playwright MCP Server, TypeScript, Next js, PostgreSQL, Hono js** **10/2023 - Ongoing**

- Building a **Model Context Protocol Client** with PlayWright web automation **MCP server** to **extract and store data from Web** using **AI**, The **LLM** used is **Llama-3 (Text based model)** - [Project link](#)

**Modern E-Commerce Platform - TypeScript, Node js, Next js, PostgreSQL, Turborepo, TanStack** **10/2023 - 11/2023**

- Building an e-commerce platform using the latest tech stack, optimizing data fetching with **TanStack Query**, and integrating **Drizzle ORM** with **PostgreSQL**, hosted on **Neon serverless** infrastructure. - [Project link](#)

**Gen AI - Resumate - JavaScript, Node js, React js, MongoDB, Prisma ORM** **05/2024 - 06/2024**

- Developed a web application using the **Gemini API** and **MVC architecture** to analyze and review resumes, featuring **GitHub OAuth** for user authentication and managing user history with **PostgreSQL**. Implemented **JSON Schema** validation, and **Axios** for efficient API calls, achieving over **500** users and processing more than **500** resumes daily with detailed **NLP-based feedback**. - [Live & Code](#)

**Node Logger ( a backend app ) - JavaScript, Node js** **10/2023 - 11/2023**

- Developed a logging utility with **REST API** integration to enhance error tracking, and performance monitoring. - [Code](#)