JACK WAGHAN A S

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B.Tech, Compuater Science and Engineering - Artificial Intelligence and Machine Learning
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Summary

I'm a dedicated student specializing in Artificial Intelligence and Machine Learning. My passion for coding and software development drives me to explore and understand a various technologies. I am eager to apply my skills and knowledge to real-world challenges and contribute to groundbreaking projects.

Education

SRM IST-Kattankulathur	2026
B.Tech · Computer Science and Engineering - Artificial Intelligence and Machine Learning	CGPA - 7.89/10
SENTHIL MATRIC. HR. SEC. SCHOOL	2022
Class XII - STATE · Mpc · Dharmapuri , Tamil Nadu	Percentage - 83.6%
SENTHIL MATRIC. HR. SEC. SCHOOL	2020
Class X - State · Mpc · Dharmapuri, Tamil Nadu	Percentage - 95.2%

Experience

AcademiaX | Link — Mar 2025 - Present
Full-Stack Developer · Founder · Part Time — Remote

- **Real-time SRM student Dashboard** Serving **20k+** total users with **6k+** daily active users
- Backed with **Next.js, Edge runtime,** and **server actions** for speed and scalablity
- Created and implemented **srm-academia-api** NPM Package to improve performance.
- Optimized the application to **reduce request load** by ~**200%**, maintaining smooth handling of **150k+** daily requests , thanks to react-query.

Projects

SRM Academia API | Link — Jun 2025 - Jul 2025
· Axios, Cheerio, Typescript — NPM Package

- Developed and open-sourced **srm-academia-api** npm package, a secure, type-safe Node.js API wrapper for SRM University's Academia Portal, with **500+ downloads** on NPM.
- Simplified access to **timetable, attendance, course, marks, calendar** and **profile.**
- Built the API using **TypeScript** and a **promise-based** design for reliability, maintainability, and scalability.

Automate Resume | Link — Feb 2025 - Feb 2025
· LaTex , GitHub Action — Automation

- Built an **automated Resume Generator** that turns **LaTeX** (.tex) files into clean **PDF resumes** using **pdflatex.**
- Set up a **Git workflow** that automatically updates the PDF with **every commit,** making resume maintenance hassle-free.
- Created a **shareable Resume.pdf link** that's always current , just commit your changes and the latest version is ready to go.

Portfolio | Link — Jan 2025 - Feb 2025
· Next js, Typescript, Tailwind CSS, Framer Motion — Web Development

- Built a **modern, responsive portfolio** with **SEO** Optimized and **smooth** animations.
- Added form handling (**react-hook-form**), schema validation (**Zod**) for improved client validation.
- Integrated **analytics** and **rate limiting** for performance and reliability.

Chatty AI | Link — Jul 2024 - Aug 2024
· Next js, Typescript, Tailwind CSS, Zustand, Supabase, Gemini API — Full Stack

- Built a **lightning-fast chat platform** integrating multiple **AI models** into a single, seamless interface.
- Used **Next.js, TypeScript,** and **Tailwind CSS** for performance, maintainability, and responsive design.
- Managed state with **Zustand**, backend with **Supabase,** and AI integration via **Gemini API + Vercel AI SDK.**

AI Powered Telegram Bot | <u>Link</u>   Dec 2022 - Jan 2023
· Python , Telagram API , Open-AI API   Backend
- Built a **multi-feature Telegram bot** used by **200+ real users,** offering AI writing, listening, and reading powered by **GPT-3.**
- Added utilities including **web capture** (screenshots), **URL shortening, encryption/decryption, speech-to-text,** and **web scraping.**
- Integrated **Mailgun API** for sending emails directly from chat.

Skills

Languages and Frameworks: Next Js, Typescript, Tailwind CSS
Tools and Technologies: Git, Supabase, Cloudflare Workers
Programming Languages: HTML, CSS, Javascript, C, React, Python, SQL

Languages

English [Limited Working Proficiency], Tamil [Native Proficiency]

Links

<u>GitHub</u>, <u>LinkedIn</u>