

JACK WAGHAN A S

AI Engineer

✉ jackwaghan@gmail.com
☎ +91 6374364766
📍 Chennai, India
🌐 linkedin.com/in/jackwaghan
🔗 jackwaghan.com

Summary

AI Engineer with expertise in cloud infrastructure, edge computing, and automation. Proven track record of designing scalable systems supporting 20,000 users and 130,000 daily requests while optimizing production performance, reducing latency, and lowering operational costs.

Education

SRM Institute of Science and Technology,
B.Tech in AI & Machine Learning
Sep 2022 – May 2026 | Chennai, India

Skills

Hard Skills

- Languages: TypeScript, JavaScript, Python, SQL
- Frontend: React, Next.js, Tailwind CSS
- Backend: Node.js, Express.js, REST APIs
- Infrastructure & DevOps: AWS, Docker, Kubernetes, CI/CD (GitHub Actions)
- Database & Cache: PostgreSQL, MongoDB, Redis

Languages

English ● ● ● ● ● ●
Tamil ● ● ● ● ● ●

Certifications

- Claude Certified Architect - Foundations 🔗
- Technook (ML) - IIT Roorkee 🔗
- Oracle Certified Foundations Associate 🔗

Experience

AI Engineer Intern, Waves Computer Supplies 🔗

Jul 2026 – Present | Abu Dhabi, UAE (Remote)

- Developed a **customer support automation POC** using **Dynamics 365 CRM, Dataverse, Power Automate, Teams, and SharePoint.**
- Designed **Power Automate workflows** for case notifications, warranty checks, pickup/drop-off, driver assignment, and tracking.
- Configured **Dataverse fields and case lifecycle tracking** to integrate CRM with automated support processes.
- Collaborated with **Support & Warehouse teams** on requirements, solution architecture, business process design, and POC implementation.

Founder & Full Stack Developer, AcademiaX 🔗

Mar 2025 – Present | Chennai, India

- Scaled a **Next.js cloud platform** to **20K+ users, 5K DAU, and 130K+ daily requests**, maintaining high availability.
- Reduced redundant **API calls by 50%** and infrastructure costs by **~30%** through caching and performance optimization.
- Built **CI/CD pipelines with GitHub Actions** for automated, zero-downtime deployments and faster release cycles.
- Developed an **open-source TypeScript SDK** for API abstraction, improving developer experience and integration efficiency.

Projects

SRM Academia API

Jun 2025 – Jul 2025

- Built a **typed API** abstraction layer improving reliability and developer usability
- Improved API stability by **30%** via error-safe handling and structured response design
- Designed **developer-first SDK** with strong typing and clear documentation

Chatty AI 🔗

Dec 2023 – Jan 2024

- Developed a multi-model AI platform integrating **10+ models** via unified API architecture
- Achieved **sub-500 ms** first-token latency using real-time streaming (SSE)
- Managed **production deployment** on Vercel, including routing, environment configuration, and performance tuning