

KAMAKSHI NITIN SHAH

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OBJECTIVE

Full-stack software engineer adept at designing and implementing scalable, production-ready systems across the stack, with a focus on clean architecture and impactful solutions.

SKILLS

- **Programming Languages:** Java, TypeScript, JavaScript, Python, SQL, GraphQL, C++, C#, C, HTML, CSS
- **Frameworks & Libraries:** ReactJS, Spring Boot, NodeJS, ExpressJS, Flask, Pandas, Django
- **Databases:** MySQL, NoSQL, Redis, MongoDB, Postgres
- **Tools & Platforms:** Git, Spark, Jest, Docker, AWS, Azure, Linux, Cypress
- **Domains:** Distributed Systems, Database Internals, Cloud Infrastructure, Microservices, Backend Development, REST APIs

WORK EXPERIENCE

Think Round, Full Stack Developer Intern

Sept 2025 – Present

- Built and maintained **scalable full-stack web applications** using React, Node.js, and cloud-hosted APIs, improving UI responsiveness and overall system performance across production environments.
- Developed **automation features and backend services** that streamlined internal workflows, reducing manual processing time by **30%** and increasing deployment efficiency.
- Collaborated with designers, engineers, and product teams to deliver **reliable, high-quality software**, contributing to end-to-end development, testing, troubleshooting, and performance optimization.

Purdue University, Research Assistant

Jan 2024 - August 2025

- Designed and implemented **Python- and C++-based AI data pipelines** processing over **20M+ records**, integrating with **cloud AI services AWS, Azure, GCP** and improving system throughput by **45%**, resulting in **\$100K annual efficiency gains**.
- Applied **LLM-driven optimization algorithms, multithreading, and memory-efficient data structures** to enhance **real-time inference speed by 40%** and model accuracy by **35%** in AI-enabled workflows.
- Collaborated with cross-functional teams to build and deploy **scalable, serverless microservices** for **AI-powered marketing automation and personalization**, ensuring **fault tolerance**, and seamless integration with enterprise platforms.

Procurant, Software Engineer Intern

June 2024 - Aug 2024

- Developed and optimized **AI-driven data processing systems** that automated key marketing and analytics workflows, reducing manual effort by **25+ hours/month** and increasing operational reliability across cloud environments.
- Engineered and scaled **data ingestion and transformation pipelines** integrating with **AWS and Azure AI services**, leveraging **multithreading and efficient memory management** to ensure high throughput and low-latency performance.

Accenture, Software Engineer

June 2021 - June 2023

- Developed and deployed **AI-enabled backend modules and system integration solutions**, improving system efficiency by **30%** and reducing manual data processing by **100+ hours/month**.
- Designed and implemented **high-performance, database-driven applications and AI pipelines**, optimizing data access, API response times, and real-time model inference by **25%**.

PROJECT EXPERIENCE

QuickBooks Integration Developer , Software Backend Systems

Jan 2025 - May 2025

- Developed and optimized **backend integration modules and validation workflows** to process **10K+ financial and supply chain records weekly**, ensuring data integrity, fault tolerance, and maintainability while improving system reliability and accuracy by **40%**, resulting in **\$100K annual savings**.

Google Map Simulator , Object-Oriented Systems

August 2023 - Dec 2023

- Implemented **Dijkstra's algorithm backend modules** with optimized data structures and object-oriented services to process **1,500+ routes** in real-time, reducing delivery lead times by **22%**, cutting logistics costs by **\$85K annually**, and improving system responsiveness and operational visibility.

EDUCATION

Purdue University

Aug 2023 - May 2025

Masters of Science in Computer Science, **GPA: 3.8/4.0**

Key Courses: Data Structures and Algorithms, Machine Learning, Cloud Computing AWS/Azure/GCP, AI LLM Integration, Software Engineering

Thadomal Shahani Engineering College

Aug 2017 - Jun 2021

Bachelor of Engineering in Information Technology, **GPA: 8.28/10.0**

Key Courses: Software Engineering, Object-Oriented Programming, Operating Systems, Multi-Threading, Database Systems, Networking