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

Purdue University, *Research Assistant*   Aug 2024 - Dec 2024
- Built and automated Python pipelines to process over **20M+** records, improving data reliability and saving **120+** developer hours per month ($100K annual efficiency gain).
- Applied optimization algorithms and statistical modeling to enhance system performance, increasing runtime efficiency by **40%** and decision accuracy by **35%**.
- Collaborated with cross-functional teams to design scalable software systems and implement high-accuracy data workflows.

Procurant, *Software Engineer Intern*   June 2024 - Aug 2024
- Improved backend processing and implemented ML-based algorithms, enhancing predictive performance by **25%**.
- Automated reporting pipelines and dashboards, saving **25+** manual hours per month and improving operational efficiency.
- Designed scalable data integration systems to enable faster, informed decision-making across teams.

Accenture, *Software Engineer*   June 2021 - June 2023
- Developed **5** backend automation solutions, increasing operational efficiency by **30%** and reducing manual workloads by 100+ hours monthly.
- Applied software/system improvements to resolve technical challenges, increasing stakeholder satisfaction by **40%**.
- Contributed to major project enhancements, performing **8** code reviews and accelerating project delivery timelines by **25%**.

PROJECT EXPERIENCE

QuickBooks Integration Developer , *Software Design*   Jan 2024 - May 2024
- Developed a Windows Forms application integrated with QuickBooks to automate accounting and supply chain workflows for **5,000+** transactions per month, saving **120+** manual hours monthly and generating **$100K** in annual efficiency gains.
- Implemented account detection and leveraged the QuickBooks API to synchronize **10,000+** inventory and financial records and **2,500+** procurement/logistics records per week, maintaining **99%** data accuracy and reducing reconciliation errors by **40%**.
- Built scalable backend modules with robust error handling and logging, decreasing data sync failures by **45%** and improving operational reliability.

Google Map Simulator , *Object-Oriented Design*   Aug 2023 - Dec 2023
- Implemented Dijkstra's algorithm to optimize **1,500+** transportation routes across 15 states, reducing delivery lead times by **22%** and cutting logistics costs by **$85K** annually.
- Developed an interactive real-time visualization tool for shipment tracking of **200+** orders, improving system response times by **30%** and route accuracy by **25%**.
- Designed and deployed backend services using RESTful APIs and Python microservices, ensuring scalable, maintainable, and reliable system architecture.

EDUCATION

University of Purdue Masters of Science in Computer Science **GPA: 3.5/4.0**   Aug 2023 - May 2025
Key Courses: Database Management Systems, Distributed Systems, Information Security, Advanced Big Data Systems, Big Data Systems

Thadomal Shahani Engineering College BE in Information Technology; **GPA: 8.28/10.0**   Aug 2017- Jun 2021
Key Courses: Data Structures and Algorithms, Software Engineering, Object Oriented Programming, Operating Systems, Multi Threading