# Saad Shah

+1(315)374-0110 | saadshah813@gmail.com | www.linkedin.com/in/saadshah16 | https://github.com/saadshah16

## EDUCATION

College of Engineering & Computer Science - Syracuse, NY                                      May 2025

*M.S. Computer Science CGPA: 3.7 / 4*

*Relevant Coursework*: Artificial Intelligence, Database Management Systems, Design & Analysis of Algorithms, Machine Learning, Operating Systems, Natural Language Processing, Computer Architecture, App Development

Mukesh Patel School of Technology Management & Engineering - Mumbai, India                     May 2023

*B.S. Computer Science CGPA: 3.48 / 4*

## EXPERIENCE

*Software Engineer*– Mumbai, India                                                              Dec 2022 - July 2023
- Developed scalable                with          and            , supporting high-traffic client landing pages and reducing data fetch latency by      , enhancing user experience during peak traffic.
- Engineered and shipped responsive marketing dashboards using          and        , enabling real-time insights for digital campaign managers and improving reporting turnaround time by      .
- Spearheaded the refactoring of frontend architecture by modularizing        components, reducing code duplication by         and accelerating new developer onboarding through enhanced code maintainability and reusability.

*Software Engineer Intern* – Mumbai, India                                                      May 2022 - Nov 2022
- Built and optimized secure payment gateway solutions using       ,          ,          , and          , improving transaction efficiency by 30%, enabling faster checkout experiences for                          and reducing revenue loss due to transaction failures.
- Developed and deployed                using        Framework, enabling seamless communication between microservices, and reducing latency by      , leading to faster payment processing and improved customer satisfaction.
- Wrote and executed unit tests using        and          , achieving 85%+ test coverage and reducing production bugs by       , ensuring high reliability for payment transactions.

*Software Engineer Intern* – Mumbai, India                                                      Jan 2021 - May 2021
- Automated Privileged Access Management (PAM) workflows using        , cutting manual intervention by      , which accelerated user provisioning from 4 hours to 30 minutes and reduced compliance violations for over

## PROJECTS

- Developed an            web platform with          ,        , and            that automates smart contract ingestion, clause-by-clause analysis, and risk detection, leveraging Retrieval-Augmented Generation (     ) and large language models (     ) such as Claude for advanced contract review.
- Engineered a robust backend pipeline integrating contract chunking, semantic search, and dynamic knowledge base management, powering real-time Q&A and clause comparison with enterprise-grade scalability and security.

- Engineered a web-based automation platform using Next.js and Flask, eliminating            of manual coordination and reducing judge allocation time by       for Syracuse's ECS Research Day, ensuring seamless submission and review process.
- Developed a constraint-based        optimization model with        and              embeddings, achieving          higher accuracy in judge expertise matching, minimizing bias, and improving fairness in evaluations.

## TECHNICAL SKILLS

-              : Python, Java, C/C++, SQL, JavaScript
-                : Spring Boot, Flask, FastAPI, React, Next.js
-          : MySQL, PostgreSQL, MongoDB
-              AWS, GCP, Docker, Git, CI/CD
-          Kotlin, C#, PHP, Ruby, Rust, Angular, Vue, Jenkins, Kubernetes, Azure, GraphQL
-                Windows, MacOS, Unix (Linux -Ubuntu)
-          Critical Thinking, Decision Making, Communication Skills, Problem Solving, Cross-functional.