

Shruti Vasave

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EXPERIENCE

- Develop for Good

Technical Product Manager

- Leading a collaborative effort among 10 professionals to create a user-friendly web application for Urban Tech Hero, enabling connections between over 100 underserved students and local gig-based IT jobs with notable community organizations.
 - Optimizing development workflows and milestone tracking, increasing milestone adherence from 70% to a consistently over 90% through process improvements and agile methodologies.
 - Driving frontend and backend development, leveraging React, JavaScript, REST APIs, and SQL to drive MVP delivery within a 4-month timeline.

New York

Oct 2024 - Present
- Yoda-Labs

Software Engineer Intern

- Crafted a robust form generation feature using the Google Forms API, automating user-driven form creation and reducing manual entry time by 70% while enhancing overall user engagement.
 - Executed comprehensive integration of Google Cloud services enabling seamless communication between microservices; reduced latency in data retrieval processes by an impressive average of five seconds per transaction over two months.
 - Orchestrated the end-to-end deployment of a scalable web application on Google Cloud Platform (GCP), configuring Compute Engine instances, Cloud Storage, and networking components to ensuring high availability (99.9% uptime) and fault tolerance.
 - Facilitated cross-functional collaboration by leading technical workshops and documentation sessions, empowering the development team with the skills necessary for seamless post-deployment maintenance and scalability.

New York

May 2024 - Jul 2024
- LTIMindtree for OneMain Financial

Software Engineer

- Spearheaded the delivery of high-quality AS400 code in ILE COBOL and CL for monthly releases, significantly enhancing the iSeries application's functionality; provided production support and maintenance.
 - Instrumental in implementing several optimizing procedures that reduced application latency by 25%.
 - Redesigned targeted areas of an IBM DB2 database system which resulted in a 15% reduced downtime.
 - Redefined team's established documentation practices and crafted streamlined documentation practices with a focus on time-efficiency and impactful clarity.

Pune

Jul 2021 - Jul 2023
- Tata Motors

ML Intern

- Conceived, developed and deployed a Poka Yoke solution that prevents incorrect button placement on heavy vehicle dashboards with a 99% success rate.
 - Developed a Python-based localization script and scaled it across a fleet of vehicles.
 - Saved an estimated \$19,440/year in labor costs by completely eliminating manual checking of dashboard.

Pune

Jun 2020 - Dec 2020

PROJECTS

- Territory-wise social media observer

Developed a robust window-based application using the Java Swing framework to deploy features like hate speech detection, trend analysis, sentiments analysis of tweets sorted by region.
- Deep Learning in Games

Trained and fine-tuned an AI agent to tackle a variety of flash games employing Tensorflow and OpenAI's Gym and Universe.

PUBLICATIONS

- 'Foreign Object Detection on Assembly Line' published in Springer Series - Lecture Notes on Data Engineering and Communications Technologies

A comparative study of two approaches for the detection of foreign objects in an industrial assembly line setting, the paper proposes a complete solution from the findings. The novelty of the proposed vision-based solution is the possible full automation of the assembly line with low latency and high performance and with a small training data set. (Sept 2022)

EDUCATION

- Syracuse University

Master of Science - Computer Science

Syracuse, NY

Aug 2023 - May 2025

SKILLS

- Programming Languages

Python, JAVA, C/C++, SQL, JavaScript, COBOL, C#

Frontend Technologies

React.js, Next.js, JavaScript, TypeScript, HTML/CSS

Backend Technologies

FastAPI, Django, Node.js, .NET, ASP.NET MVC, SQL, PostgreSQL

DevOps & Cloud

Docker, Git, CI/CD, AWS, GCP, AS400

Relevant Skills

Software Engineering, Agile Methodologies, DevOps, Product Management

LEADERSHIP AND ACTIVITIES

- Content and Social Media Secretary at VIT Students' Council

Drove a remarkable 30% surge in Tech Fest football

Founder and Club Lead at The VIT Literary Club

Fostered a diverse reading community of over 100+ students

Technical Writer at Trident Labs

Authored documentation for an Underwater Autonomous Vehicle project, enhancing user comprehension and reducing troubleshooting time by 35%