

Shruti Vasave

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SKILLS

- **Languages** JAVA, Python, C/C++, GO, SQL, JavaScript, HTML/CSS, COBOL, C#
- **Frameworks** Scikit, NLTK, TensorFlow, Keras, .NET, ASP.NET MVC, Django, NodeJS, Bootstrap
- **Tools** Docker, Git, MSTest, NUnit, Linux, Web, Windows, AS400, AWS, GCP, Tableau
- **Relevant Skills** Product Management, Software Engineering, Leadership, Agile Methodologies, Data Analysis, Machine Learning, End-to-End Testing, CI/CD, DevOps, Problem-Solving, Analytical Solutions, Lean Scrum Framework

EXPERIENCE

- **Develop for Good** New York
Product Manager Oct 2024 - Present
 - 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.
 - Directing the delivery of core functionalities, achieving 90% milestone completion on schedule by facilitating weekly meetings with stakeholders; maintaining comprehensive documentation to streamline project progress.
 - Driving backend development with JavaScript, REST APIs, and SQL, targeting a 4-month completion timeline to launch the MVP.
- **LTIMindtree for OneMain Financial** Pune
Software Engineer Sept 2021 - Jul 2023
 - 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.
- **LTIMindtree for Internal Training** Pune
Lead Software Engineer Jul 2021 - Jul 2023
 - Led a team of 5 to engineer a secure web-based application using the .NET framework, C#, ASP.NET MVC, and Entity Framework; enabled seamless quiz creation, customization, and evaluation, reducing manual workload by 70%.
 - Strengthened application security by implementing ASP.NET Identity, reducing unauthorized access attempts by 40%.
 - Optimized performance by 30% through asynchronous programming and improved user experience with responsive design using Razor views and Bootstrap.
 - Conducted unit and integration tests using MSTest and NUnit, ensuring 95% code coverage. Streamlined deployment with automated CI/CD pipelines using Azure DevOps, resulting in a 50% reduction in deployment time.
 - Provided ongoing support and maintenance, adding new features, earning "Best Project Team" award for FY 2021.
- **Tata Motors** Pimpri Chinchwad
ML Intern Jun 2020 - Dec 2020
 - 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.

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** Syracuse, NY
Master of Science - Computer Science Aug 2023 - May 2025

LEADERSHIP AND ACTIVITIES

- **Content and Social Media Secretary at VIT Students' Council** - Drove a remarkable 30% surge in Tech Fest footfall
- **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%