

# SWANAND SANJAY KHONDE

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## EDUCATION

<b>Rice University</b> <i>Master of Computer Science</i>	08/23 – 12/24 Houston, USA
<b>Vishwakarma Institute of Technology</b> <i>B.Tech. Computer Engineering</i>	08/17 – 06/21 Pune, India

## EXPERIENCE

<b>Nedd Technologies</b> <i>Software Engineer Intern - Python, Flask, Azure, PostgreSQL, NextJS, Redis, Kafka</i>	05/24 – 08/24 Houston, USA
<ul style="list-style-type: none"><li>Directed development of ESG Platform from conception to launch. Implemented Flask-based RESTful services, handling over <b>1,000 API requests per second</b>.</li><li>Designed and delivered a responsive and user-friendly <b>Next.js</b> User Interface, achieving an overall user satisfaction score of <b>90%</b>.</li><li>Engineered and implemented a data model and transformations, identifying and correcting <b>500</b> data anomalies, reducing processing time by <b>10 hours per week</b>, and enabling over <b>100</b> sustainability reports with insights.</li><li>Employed Azure DevOps to implement CI/CD pipelines and deployment strategies, reducing deployment time by <b>50%</b> and increasing product reliability with a <b>60%</b> decrease in production issues.</li></ul>	
<b>HSBC Technology India</b> <i>Software Engineer - Python, Java, Spring Boot, React, Load Trade, Ansible, Grafana, Unix</i>	08/21 – 06/23 Pune, India
<ul style="list-style-type: none"><li>Spearheaded development of Load Trade Archive Service, a microservice-based platform for <b>Bloomberg's Load Trade</b> production instance.</li><li>Enabled direct user access to XML and CSV trade files through a UI with different filters, reducing weekly IT team search time by <b>30 minutes</b> per member and significantly improving data accessibility and organization.</li><li>Facilitated requirements gathering and feedback sessions with business users, creating a UI that streamlined access to trade files and improved data retrieval efficiency by <math>\approx 50\%</math>.</li><li>Earned <b>Star Performer</b> Award from HSBC in Q1 2023 for Load Trade Archive Service project, an honor awarded to only <b>20 individuals</b> organization-wide for exceptional performance.</li><li>Deployed <b>Log Dream</b>, a logging solution with a user interface that simplified error tracking for production issues across 4 different services, reducing log review time by <b>60%</b>.</li><li>Authored a Python-based CR Checker Plugin for <b>Ansible Tower</b>, automating pre-deployment verification of <b>100%</b> Change Requests per month, enhancing compliance and reducing deployment errors by <b>85%</b>.</li><li>Developed a Spring Boot service with API endpoint for <b>Kubernetes</b> deployments via Jenkins, integrating with ServiceNow for automated CR verification, ensuring <b>100% compliance</b> before production deployments.</li></ul>	
<b>Optimum Data Analytics</b> <i>Machine Learning Engineer Intern - Python, Flask, Ludwig, Tensorflow, MySQL</i>	08/19 – 01/20 Pune, India
<ul style="list-style-type: none"><li>Conceptualized and led Document Classification using Visual Parameters, a deep learning project, achieving a robust classification model with <b>95.7% training accuracy</b> and <b>83% test accuracy</b> using a CNN framework.</li></ul>	

## ACADEMIC PROJECTS

<b>Social Networking Platform</b> <i>Javascript, React, Node.js, HTML, CSS, MongoDB</i>	08/23 – 12/23 Rice University
<ul style="list-style-type: none"><li>Engineered and deployed RiceBook, a scalable social media web application, leveraging MERN stack, resulting in completion of <b>50+ user stories</b> and <b>100+ unit tests</b> to ensure functionality and performance.</li><li>Integrated test-driven development practices, version control, and advanced web design patterns, reducing initial bug count by <b>70%</b> and ensuring robust and maintainable code throughout the project.</li></ul>	

## TECHNICAL SKILLS

<b>Languages</b>	Python, Java, Javascript, Typescript, SQL, C++
<b>Frameworks</b>	Spring Boot, Node.js, React, Flask, PyTorch
<b>Other</b>	SQL, MongoDB, Azure, Ansible, Service Now, Grafana, Power Bi, Jenkins, CI/CD, Unix, Redis, Kafka