SWANAND KHONDE

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EDUCATION

Rice University — 08/23 – 12/24
Master of Computer Science — *Houston, USA*

Vishwakarma Institute of Technology — 08/17 – 06/21
B.Tech. Computer Engineering — *Pune, India*

EXPERIENCE

Nedd Technologies — 05/24 – 08/24
Software Engineer Intern - Python, Flask, Azure, PostgreSQL, NextJS — *Houston, USA*
- Directed development of ESG Platform from conception to launch. Implemented Flask-based RESTful services, handling over **1,000 API requests per second**.
- Designed and delivered a responsive and user-friendly **Next.js** User Interface, achieving an overall user satisfaction score of **90%**.
- Engineered and implemented a data model and transformations, identifying and correcting **500** data anomalies, reducing processing time by **10 hours per week**, and enabling over **100** sustainability reports with insights.
- Employed Azure DevOps to implement CI/CD pipelines and deployment strategies, reducing deployment time by **50%** and increasing product reliability with a **60%** decrease in production issues.

HSBC Technology India — 08/21 – 06/23
Software Engineer - Python, Java, Spring Boot, React, Load Trade, Ansible, Grafana, Unix — *Pune, India*
- Spearheaded development of Load Trade Archive Service, a microservice-based platform for **Bloomberg's Load Trade** production instance.
- Enabled direct user access to XML and CSV trade files through a UI with different filters, reducing weekly IT team search time by **30 minutes** per member and significantly improving data accessibility and organization.
- Facilitated requirements gathering and feedback sessions with business users, creating a UI that streamlined access to trade files and improved data retrieval efficiency by $\approx$ **50%**.
- Earned **Star Performer** Award from HSBC in Q1 2023 for Load Trade Archive Service project, an honor awarded to only **20 individuals** organization-wide for exceptional performance.
- Deployed **Log Dream**, a logging solution with a user interface that simplified error tracking for production issues across 4 different services, reducing log review time by **60%**.
- Authored a Python-based CR Checker Plugin for **Ansible Tower**, automating pre-deployment verification of **100%** Change Requests per month, enhancing compliance and reducing deployment errors by **85%**.
- Developed a Spring Boot service with API endpoint for **Kubernetes** deployments via Jenkins, integrating with ServiceNow for automated CR verification, ensuring **100% compliance** before production deployments.

Optimum Data Analytics — 08/19 – 01/20
Machine Learning Engineer Intern - Python, Flask, Ludwig, Tensorflow, MySQL — *Pune, India*
- Conceptualized and led Document Classification using Visual Parameters, a deep learning project, achieving a robust classification model with **95.7% training accuracy** and **83% test accuracy** using a CNN framework.

ACADEMIC PROJECTS

Social Networking Platform — 08/23 – 12/23
Javascript, React, Node.js, HTML, CSS, MongoDB — *Rice University*
- Engineered and deployed RiceBook, a scalable social media web application, leveraging MERN stack, resulting in completion of **50+ user stories** and **100+ unit tests** to ensure functionality and performance.
- Integrated test-driven development practices, version control, and advanced web design patterns, reducing initial bug count by **70%** and ensuring robust and maintainable code throughout the project.

TECHNICAL SKILLS

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