Sahil Padgilwar

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EDUCATION

B.E Computer Engineering

International Institute of Information Technology • Hinjewadi, Pune. •2021-2025

•CGPA: 9.24

WORK EXPERIENCE

Project Intern (DevOps) – [Oracle]

May 2024- July 2024

-Enhanced application for a client to track and trigger project progress and deployment using Oracle Apex, Jenkins, Git, increasing efficiency by 100%.

-Developed a feature to connect and compare 5 different servers for ENV Patchset Comparison, increasing transparency on the client side.

-Integrated DevOps concepts into Apex technology for robust Jenkins job handling (Build, Deploy), increasing the speed of all operations by 60%.

Data Analyst Intern (NLP) – [Data Lumina]

Dec 2023 – Jan 2024

-Orchestrated precise data annotation and labeling, ensuring 100% data integrity and quality.

-Optimized model processing for the assigned project, boosting overall workflow efficiency by 40%.

PROJECTS

Medicinal Plant and Raw Materials Identification System

September 2023 - March 2024 || **SIH-2023** || **AyuFlora-Team Lead** || **Patent Published**

• Spearheaded the creation of Deep Learning project, achieving 95% accuracy in classifying medicinal plants and raw materials.

• Employed state-of-the-art convolutional neural networks (CNNs) for plant identification (85% accuracy with VGG-19) and

raw material classification (78% accuracy with ResNet-18) to achieve exceptional results in recognition tasks.

• Integrated a database system for comprehensive plant and raw material information retrieval, enhancing its value in herbal medicine and pharmacology.

Inventory Management System

August 2023 - September 2023

• Crafted a secure and user-friendly PHP and MySQL-based inventory management system, featuring an intuitive dashboard that improved user navigation efficiency by 90%.

• Customized user roles and permissions for controlled access, enhancing security and usability, resulting in a 30% increase in efficiency.

• Streamlined product tracking, automated purchase orders, and facilitated sales transactions, leading to a 40% reduction in manual effort.

• Enabled the generation of easily accessible sales reports in PDF format, ensuring fulfillment of evolving business needs.

Hand Sign Language Recognition

November 2022 - March 2023

• Engineered a real-time hand sign recognition system, achieving an impressive 81% accuracy rate in sign recognition.

• Demonstrated expertise in computer vision, deep learning, and image processing.

• Leveraged OpenCV for real-time camera video processing, handling a dataset of 10,000+ sign language images.

• Devised a hand sign classification CNN model with TensorFlow and Keras, achieving 92% accuracy and optimizing

data processing speed by 40%.

• Enhanced data robustness using image augmentation techniques, resulting in high sign recognition accuracy of 81%.

SKILLS

Programming Languages: Java, Python, C++

DSA, OOP, Machine Learning, Data Analysis

Cloud: AWS [Foundation]

Libraries: Pandas, NumPy, Matplotlib

Database: SQL, PL/SQL, Oracle

Tools: Git, Jenkins, Docker, Linux, MS-Suite, Power BI

ACHIEVEMENTS & EXTRA – CURRICULAR ACTIVITIES

Flipkart Grid 6.0 SDE • Team Lead

Xiaomi Ode Code3 • Team Lead

SIH Hackathon 2023 • Team Lead