

# RUDRAKSH NALBALWAR

## Software Developer Intern

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📍 Nagpur, Maharashtra - India

LinkedIn: Rudraksh Nalbalwar

My Website: Portfolio

## EXPERIENCE

### Software Engineer Intern

#### Soroban Labs

📅 Feb 2025 – April 2025      📍 Hybrid

- Collaborated on the early prototyping and development of an AI-powered product using React Native, Flask, and Python.
- Contributed to backend development by integrating APIs with LLMs and automating video rendering workflows using Python scripting.
- Optimized internal boilerplate code, reducing execution time for video rendering to 2 mins.
- Conducted interface testing and debugging across frontend components using React Native DevTools and Android Studio.
- Created a custom bash deployment script and assisted in deploying containers with Docker and Kubernetes.
- Engaged in cross-functional research, contributing to UI/UX suggestions and technical feasibility analysis.

## ACHIEVEMENTS

- **Co-inventor of a granted design patent** for a Desk Lamp with Automated Lighting and Integrated Wireless Charging – *Granted in 2025.*
- Earned **4-star rating in Java** on HackerRank, demonstrating strong problem-solving and coding proficiency.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, HTML, CSS, JavaScript
- **Frontend:** React
- **Backend:** Flask, Node.js
- **Libraries:** NumPy, Pandas, Scikit-learn, TensorFlow,
- **Developer Tools:** Jupyter Notebook, Android Studio, Github
- **DevOps :** Git, Docker, Kubernetes
- **Databases:** MySQL
- **Core CS Concepts:** Data Structures, Algorithms, Operating Systems, Computer Networks, DBMS, OOPs

## CERTIFICATIONS

- **Fundamentals of Deep Learning with PyTorch** – NVIDIA    Feb 7, 2025
- **Scientific Computing with Python** – freeCodeCamp    Dec 10, 2023

## LINKS

- **Hackerrank** nalbalwarrudrak1
- **GitHub** rudrakshnalbalwar
- **LeetCode** nalbalwarrudraksh

## EDUCATION

### Bachelor of Technology in Artificial Intelligence and Machine Learning

#### Shri Ramdeobaba College of Engineering and Management, Nagpur

📍 Nov 2022 – Present

### Higher Secondary (Class XII) – 70%

#### Netaji Subhash Chandra Bose Jr. College, Nanded

📍 2022

### Secondary (Class X) – 87.6%

#### Nagarjuna Public School, Nanded

📍 2020

## PROJECTS

- Built a heart disease prediction system using classification algorithms and patient health indicators (age, cholesterol, BP, etc.).
- Achieved 99.3% accuracy after tuning hyper-parameters and applying feature selection.
- Compared 4+ ML models to select the most accurate and generalizable solution.
- Demonstrated real-world healthcare application of ML using public datasets.

### Neo-Jarvis – AI Desktop Assistant

#### GitHub: [AI\\_Voice\\_Assistant](#)

- Built a context-aware AI assistant for desktop automation using Python, capable of handling 10+ tasks like file generation, note writing, and app control.
- Integrated object detection and image generation using OpenCV and generative models to process visual data on voice command.
- Enabled adaptive learning and short-term memory, allowing dynamic task chaining and personalization across sessions.
- Achieved real-time voice interaction with average response time under 15 seconds, handling multiple asynchronous tasks simultaneously.

## CO-CURRICULAR

- **Technical Head in NSS:** Led the development of the official NSS website with my team, ensuring a dynamic and user-friendly interface.
- **Member of GFG RBU Chapter.**