

# RUDRAKSH NALBALWAR

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## OBJECTIVE

Final year AI/ML student with internship experience at Soroban Labs, seeking to contribute technical skills in React, Java, Python, machine learning, and application deployment as a full-stack developer or AI/ML engineer.

## EDUCATION

**Bachelor of Technology in Artificial Intelligence and Machine Learning** Nov 2022 - Present  
**Shri Ramdeobaba College of Engineering and Management, Nagpur** CGPA: 7.14

Relevant Coursework: Data Structures and Algorithms, Machine Learning, Deep Learning, Database Management Systems, Computer Networks, Operating Systems, Object-Oriented Programming

**Higher Secondary Education** 2022  
**Netaji Subhash Chandra Bose Jr. College, Nanded** Percentage: 70%

## SKILLS

<b>Programming Languages</b>	Java, Python
<b>Frontend</b>	React, HTML, CSS, JavaScript
<b>Backend</b>	Flask, Node.js
<b>Machine Learning</b>	TensorFlow, Pytorch, Scikit-learn, NumPy, Pandas
<b>Database</b>	MySQL, MongoDB
<b>DevOps</b>	Git, Docker, Kubernetes
<b>Tools</b>	Jupyter Notebook, Android Studio, GitHub

## EXPERIENCE

**Software Engineer Intern** Feb 2025 - Apr 2025  
Soroban Labs *Nagpur, Maharashtra*

- Developed Flask-based backend APIs integrating LLMs for automated code generation using Manim Library
- Built video generation workflows reducing manual coding effort by 70% with 2-second API response time
- Researched and prototyped 15+ tools during early-stage application development
- Collaborated with 3-member development team on full-stack application architecture

## PROJECTS

### Heart Disease Predictor — [GitHub](#)

Developed ML model achieving 99.3% accuracy using hyperparameter tuning across 4+ algorithms (Logistic Regression, KNN, Random Forest, SVM). Deployed Flask-based web application for real-time healthcare diagnostics with Python, Scikit-learn, and Pandas.

### Neo-Jarvis AI Assistant — [GitHub](#)

Developed a Python-based desktop voice assistant automating 10+ tasks with OpenCV, generative models, and adaptive memory. Achieved sub-15s response time via modular NLP architecture.

## ACHIEVEMENTS

Co-inventor of granted design patent for Smart Desk Lamp with Automated Lighting and Wireless Charging (2025)

HackerRank Java 5-star rating demonstrating advanced programming proficiency and problem solving

Technical Head in National Service Scheme RCOEM, Member of GeeksforGeeks RCOEM Chapter

## CERTIFICATIONS

NVIDIA: Fundamentals of Deep Learning with PyTorch (Feb 2025)

FreeCodeCamp: Scientific Computing with Python (Dec 2023)