RUDRAKSH NALBALWAR

Software Developer Intern

Email: nalbalwarrudraksh@gmail.com
Nagpur, Maharashtra - India
LinkedIn: Rudraksh Nalbalwar

EXPERIENCE

Soroban Labs

SDE - Intern

Feb 2025 - April 2025 Hybrid

- Built core UI components in React Native for an AI-powered app that converts math problems into animated video solutions.
- Integrated frontend with Flask-based APIs utilizing LLMs to interpret and solve math queries.
- Worked with animation libraries like Manim to render step-by-step visual explanations.
- Gained hands-on experience with Docker and Kubernetes for app containerization and deployment.

ACHIEVEMENTS

- Shortlisted for SIH Hackathon through the Internal College Hackathon selection process.
- Achieved 4 stars on Hackerrank.
- Co-inventor of a design patent for a Desk Lamp with Automated Lighting and Integrated Wireless Charging, granted in 2025.

TECHNICAL SKILLS

- **Languages:** Java, Python, HTML, CSS, JavaScript, React Native
- **Tools and Technologies:** NumPy, Pandas, SciPy, Scikit-learn, TensorFlow, NLP, Jupyter Notebook
- **Backend:** Flask, Node.js
- **Database:** MySql, MongoDB
- **DevOps:** Git, GitHub, Docker, Kubernetes

CERTIFICATIONS

- Fundamentals of Deep Learning with PyTorch [NVIDIA]
- Scientific Computing with Python [FreeCodeCamp]

LINKS

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

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.**

EDUCATION

B.Tech. (AIML)

Shri Ramdeobaba College of Engineering and Management

Nov 2022 – Present

Higher Secondary - 70%

Netaji Subhash Chandra Bose Jr. College, Nanded

2022

Secondary - 87.6%

Nagarjuna Public School, Nanded

2020

PROJECTS

Heart Disease Predictor

GitHub: heart_disease_predictor

- Developed a machine learning model to predict the likelihood of heart disease based on patient data.
- Utilized classification algorithms to analyze factors like age, cholesterol, blood pressure, and other health indicators.
- Trained on a well-known heart disease dataset.
- Evaluated performance of multiple ML algorithms to choose the best model.
- Improved accuracy through hyperparameter tuning and feature selection.
- Achieved 99.3% accuracy. Demonstrated the potential of ML in healthcare.

Jarvis - AI Virtual Voice Assistant

GitHub: AI_Voice_Assistant

- Built a complete AI voice assistant inspired by JARVIS, using deep learning, NLP, and adaptive learning.
- Integrated features: voice recognition, multi-platform support, and IoT home control.
- Enhanced security protocols and real-time NLP for better command understanding.
- Personalized experience via contextual awareness and dynamic learning.