

Saurabh Nale

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OBJECTIVE

Highly motivated and determined student actively pursuing proficiency in machine learning and deep learning. Eager to leverage my strong work ethic and growing expertise in the field to contribute to a dynamic team and make a meaningful impact as a Machine Learning Engineer.

CORE SKILLS

Technical Skills: Python, TensorFlow, PyTorch, scikit-learn, Jupyter, SQL.

Data Analysis: Data preprocessing, feature engineering, model evaluation.

Programming Languages: Python, C++, Java.

Soft Skills: Problem-solving, teamwork, communication, adaptability.

EDUCATION

Rajarambapu Institute of Technology

Computer Science and Information Technology with Honours

GPA: 8.54/10

Islampur, Maha.

July-2024

Cusrow Wadia Institute of Technology

Computer Engineering

GPA: 9.2/10

Pune, Maha.

Nov-2021

WORK EXPERIENCE

Cognautica

Computer Vision Intern

SF, USA.

Oct, 2023– Present

- Interning at Cognautica a startup based in San Francisco, I actively contribute to the development of an AI grader system for U.S. schools, with a primary focus on refining OCR accuracy for paper PDFs. Involved in implementing strategies to improve text extraction from various document formats, I am currently engaged in the development of OCR capabilities for mathematical equations.

Google DSC, RIT

Vice President and AI and ML Lead

Islampur, Maha.

Aug, 2023– Present

- As GDSC Vice President, I have been responsible for leading and overseeing all club activities, including organizing events, workshops, and hackathons focused on Google technologies and developer skills development.
- Also as the Machine Learning Lead, I have spearheaded the development and execution of machine learning projects and initiatives within the GDSC, fostering a culture of innovation and technical excellence.

IITD-AIA Foundation For Smart Manufacturing

Project Intern, Machine Learning

New Delhi, Delhi

June, 2023 – Aug, 2023

- Researched, designed and implemented machine learning applications to project on Computer Vision to detect defects in 3D Printed Part.
- Designed, implemented and evaluated new models and rapid software prototypes to solve problems in machine learning and systems engineering.

IUCEE EWB(Engineers Without Borders), RIT

President

Islampur, Maha.

Oct, 2022 – July, 2023

- Planned sustainability-based events for Engineering students.
- Maintained energy and enthusiasm in fast-paced environment.
- Learned new skills and applied to daily tasks to improve efficiency and productivity.

PROJECT WORK

ECG-AI: An Intelligent System for Cardiac Health Monitoring.

- The ECG-AI project is a groundbreaking initiative aimed at enhancing the accuracy, efficiency, and accessibility of cardiac health monitoring using artificial intelligence (AI) and electrocardiogram (ECG) data. With cardiovascular diseases being a leading cause of mortality worldwide, early detection and continuous monitoring are critical for improving patient outcomes.

Movie Recommendation System Using Content Based Filtering

- I Have created a movie recommendation system. Which functions on the concept of Cosine similarity. When you enter a movie name through keyboard it displays/recommends 5 movies that are similar to the entered movie.

The Village

- This project deals with study and development of village as a Digital/Smart village. We define digital village as bundle of services of which are delivered to its residence and businesses in an effective and efficient manner. The basic concept of digital village. Received Government of Maharashtra sponsorship for Project "The Village" and implemented in Mahabaleshwar Village located in Satara district, Maharashtra.

Publications

A Deep Learning Approach to ECG Classification for Atrial Fibrillation, Normal Sinus Rhythm, and Congestive Heart Failure.

- Currently is in review process with International Journal of Data Science and Analytics

Courses/Certification

Google cloud skill boost.

Machine learning specialization by Andrew ng.

Deep learning specialization by Andrew ng.