RITHVIK SANTOSH SHETTY
B.E. - Artificial Intelligence & Machine Learning

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BRIEF SUMMARY

Motivated and research-oriented engineering student with a keen interest in machine learning and its real-world applications. Currently working on a project involving natural gas pipeline leak detection using CNN and Vision Transformers, while also exploring research in modeling electrocorticography (ECoG) signals through graph neural networks and neural ODEs. Holds leadership positions as Joint Secretary of the Technical Team and RTR at SIES GST, with hands-on experience in organizing large-scale technical events like ByteCamp'25. Experienced in managing collaborative technical projects and contributing to research-driven initiatives.

KEY EXPERTISE

Machine Learning Research, YOLO, CNN, Python, HTML, CSS

EDUCATION

SIES Graduate School of Technology — 2022 - 2026
B.E. - Artificial Intelligence & Machine Learning | CGPA: **6.12 / 10**

Narayana Junior College — 2021
12th | HSC | Percentage: **93.33 / 100**

DAV Public School, Thane, Thane — 2020
10th | CBSE | Percentage: **75 / 100**

INTERNSHIPS

Ion chemicals | Bio Technology & Life Sciences — 15 Feb, 2025 - 15 Apr, 2025
ML Intern
Pipeline Leak Detection using Machine Learning

PROJECTS

FinPro - Finance Dashboard — 23 Jun, 2025 - 24 Jun, 2025
Team Size: 1

Key Skills: Python   Pandas   Plotly   Streamlit

Project Link: https://github.com/rithvikshettyy/FinPro

FinPro Dashboard is a modern, interactive web app built using Python, Streamlit, and Plotly to help individuals gain full visibility and control over their personal finances

Natural Gas Leak Detection Using YOLO — 01 Mar, 2025 - 31 Mar, 2025
Mentor: Dr. Arundhati Das | **Team Size:** 4

Key Skills: Scikit-Learn   Pandas   Matplotlib   YOLO   PyTorch   Tensorflow

Project Link: https://github.com/rithvikshettyy/Natural-Gas-Leak-Detection-Using-YOLO

This project utilizes YOLO for automated gas leak detection, improving pipeline monitoring through deep learning and computer vision. It enhances safety by detecting leaks efficiently in real-time. As a research we are trying to implement a hybrid model of 3 layer architecture of YOLOv11 + ViT + Swin Transformers.

Heart Disease Detection using Logistic Regression — 24 Mar, 2025 - 25 Mar, 2025
Team Size: 1

Key Skills: python   Github

Project Link: https://github.com/rithvikshettyy/heart-disease-detection-model

This project implements a Heart Disease Detection system using the Logistic Regression model. The goal is to predict whether a person has heart disease based on medical parameters such as age, cholesterol levels, blood pressure, and other health indicators.

Portfolio Website — 01 Nov, 2024 - 30 Nov, 2024
Team Size: 1

Key Skills: html   css   Javascript

Project Link: https://rithvikshetty.in

About

This project is a personal portfolio website built using HTML, CSS, and JavaScript. It showcases my skills, projects, and experience in web development, AI, and graphic design. The site features a clean, responsive design, intuitive navigation, and interactive elements to enhance user engagement.

Object Measurement Using OpenCV   01 Oct, 2024 - 31 Oct, 2024

Mentor: Dr. Archana Arudkar | **Team Size:** 4

Key Skills: Python

Project Link: https://github.com/rithvikshettyy/Object-Measurement

This Python project demonstrates how to measure the size of objects in an image using OpenCV. It employs image processing techniques to detect objects and calculate their dimensions, provided a known reference object or scale.

ASSESSMENTS / CERTIFICATIONS

AWS Academy Graduate - AWS Academy Cloud Foundations

Key Skills: AWS   Cloud Foundations

https://www.credly.com/badges/030ee2de-e2ba-42d5-aed5-88df2d485b89/linked_in_profile

Introduction to Machine Learning on AWS

Key Skills: machine learning

https://www.coursera.org/account/accomplishments/verify/UQFZG1MVYY11

Introduction to Generative AI

Key Skills: ai

https://www.cloudskillsboost.google/public_profiles/9825a164-544d-480b-99af-9b419f4d00e3/badges/5478364?
utm_medium=social&utm_source=linkedin&utm_campaign=ql-social-share

POSITIONS OF RESPONSIBILITY

Technical Secretary
Technical Team of SIESGST, Nerul

Ex - Social Media Lead
E-cell of SIESGST, Nerul

Ex - Joint Secretary
Rotaract Club of SIESGST, Nerul

CO-CURRICULAR ACTIVITIES

- Joint Secretary, Technical Team – SIES GST
- Organized ByteCamp'25 – 24-hour hackathon
- Engaged in ongoing ML research and technical writing

EXTRA CURRICULAR ACTIVITIES

- Deloitte Australia Data Analytics Job Simulation on Forage - June 2025 : Completed a Deloitte job simulation involving data analysis , Created a data dashboard using Tableau , Used Excel to classify data and draw business conclusions

PERSONAL INTERESTS / HOBBIES

- Interested in machine learning and how tech can solve real-world problems
- Like trying out new design ideas and building personal projects
- Enjoy working with teams and taking up leadership roles

WEB LINKS

- Personal - https://rithvikshetty.in

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Brahmand, Thane, Maharashtra, India - 400607

Emails: rithvikshetty2004@gmail.com , rithvikssaiml122@gst.sies.edu.in

Date of Birth: 16 Jan, 2004

Known Languages: English, Hindi, Marathi, Tulu, Kannada

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