

Sam Reeves Susikar

samreeves1404@gmail.com • +91 9611558458 • github.com/sammy1404 • linkedin.com/in/samreeves14
www.samreeves.dev

Aspiring machine learning engineer and full stack developer focused on building seamless, efficient and well built solutions

EDUCATION

New Horizon College of Engineering

Bachelor of Engineering in Artificial Intelligence and Machine Learning

CGPA: 8.54

Bangalore, India
October 2022 – present

- Gained comprehensive understanding in subjects such as Machine Learning, Full Stack development, Database Management Systems and Statistical and discrete math.
- Completed a certificate course on Full stack web development using python frameworks such as flask and Django.
- Played as part of the College Football squad.

RELEVANT EXPERIENCE

Web Developer

North East United in Christ Fellowship

Newcastle, England

May 2024 – present

- Built a website for the NUICF organisation (www.nuicf.com) using vanilla javascript. Gained valuable experience on developing a seamless front end design and building a responsive solution for both mobile and desktop clients.
- Signed a maintenance contract for maintaining the website in the foreseeable future.

Web designer intern

AID India

Bangalore, India

June 2022 – January 2023

- Developed a front end design for the website (aidindia.in) using CSS

RELEVANT PROJECT EXPERIENCE

SongRecognizer

Mini Project

Bangalore, India

June 2024 – August 2024

Developed a Python script using the librosa library to replicate Roy van Rijn's song recognition algorithm that involves extracting frequencies using a short term fourier transformation and matching fingerprints with songs found in our databases

Champions League Analysis

Personal Project

Bangalore, India

November 2023

Carried out elaborate analysis on a set of datasets comprising of statistics found across an entire com UEFA Champions league season in 2022. Implemented multiple figurative and statistical techniques to gain valuable experience on data manipulation.

StockSense

Hackathon Group project

Bangalore, India

May 2023

Built a full stack app using ReactNative's expo-cli framework with typescript in order to monitor and predict stock trends using the AlphaVantage API

Tetris

Personal Project

Bangalore, India

May 2024

- Created smaller version of the popular tetris game using the python curses library that runs on your terminal.

PUBLICATIONS

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| • Privacy-Preserving and Efficient Border Surveillance System using Advanced Deep Learning and Cryptographic Techniques | DOI: 10.1109/I-SMAC61858.2024.10714893 |
| • Machine Learning Optimisation: Adaptive Hessian-free optimisation | DOI: 10.17148/IJARCC.2024.13653 |
| • A comprehensive bibliometric analysis of natural language processing | DOI: 10.17148/IJARCC.2024.13617 |
| • HarmonyNet: blockchain technology for sustainability and scalability | DOI: 10.17148/IJARCC.2024.13653 |

SKILLS

TECHNICAL SKILLS:

Python for machine learning, stats and data analysis: pandas, torch, tensorflow, sklearn, yolov5, matplotlib, seaborn

Data structures and algorithms: C, C++ and Java

Full stack development: HTML, CSS, JavaScript, React, ReactNative, Flutter, SQL, MongoDB, Firebase, MERN, Django

SOFT SKILLS: Leadership, communication skills, problem solving, collaboration and teamwork, decision making, attention to detail, empathy