Sam Reeves Susikar

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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

- Designed a website for the NUICF organisation (www.nuicf.com) using vanilla javascript.
- Developed a seamless front end design and built a responsive solution for both mobile and desktop clients using CSS.
- Created CSS classes and used javascript's IntersectionObserver library to trigger smooth CSS animations on scroll and hover

Web designer intern
AID India

Bangalore, India
June 2022 – January 2023

- Developed a front end design for the website (aidindia.in) using CSS, tailwind and figma
- Created functional components for the website such as navigation, footer and the header bar

RELEVANT PROJECT EXPERIENCE

SongRecognizer
Mini Project

Bangalore, India
June 2024 – August 2024

- Developed Python script using the librosa library to replicate Roy van Rijn's song recognition algorithm
- Extracted frequencies using a short term fourier transformation and matched fingerprints with songs in a local database

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

- 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/IJARCCE.2024.13653
- A comprehensive biblometric analysis of natural language processing — DOI: 10.17148/IJARCCE.2024.13617
- HarmoneyNet: blockchain technology for sustainability and scalability — DOI: 10.17148/IJARCCE.2024.13653

SKILLS

TECHNICAL SKILLS:

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