

CRAIG ROBERTS

@ craig.roberts.152@gmail.com

📍 Bengaluru, Karnataka, India

🐙 Github

in LinkedIn

TECHNICAL SKILLS

Python

Machine Learning

Deep Learning

Data Science

Computer Vision

TensorFlow (Keras)

PyTorch

NumPy

SciPy

Pandas

Matplotlib

EDUCATION

Year	Degree/Certificate	Institute	CGPA/Percentage%
2020 - Ongoing	B.Tech(CSE)	Vellore Institute of Technology	8.6/10
2020	Class XII	St. Josephs Pre-University College, Bengaluru	83.4%
2018	Class X	St. Mary's Academy, Saharanpur	84.3%

PROJECTS

Sentiment Analysis (Machine Learning)

(Nov 22 - Dec 22)

- A model was developed that can classify texts into predefined categories when given a paragraph as input.
- The dataset had a size of around **3.8 GB**.
- Python was used as the programming language for this project because it is well-suited for machine learning tasks.
- The model had reached a maximum accuracy of **96.2%**.

SoundForge (Machine Learning)

(Jan 23)

- An Evolutionary Algorithm that generates melodies which can be combined to make music.
- It has **17 Keys** and **8 Scales** on which music can be generated. The user has full control in choosing the Keys and Scales.
- Since this was an ML project hence Python was used as the language for development.
- The **7** self made functions which is called locally.

SmartSprout (Deep Learning)

(Feb 23)

- An ANN model that works along with IoT devices to help predict whether crops need irrigation or not.
- The dataset on which this model was trained had a size of **2.1GB**,
- The development of the model utilized **5** python libraries which included TensorFlow as the major one.
- User testing, we had **5+** users.
- The alert accuracy for the model stands at **85.47%**.

ACHIEVEMENTS

- **Local Hack Day learn 2021:** made more than **9+** successful submissions in the hackathon.
- **MLH: INIT 2022:** made more than **7+** successful submissions in the hackathon.
- **150+** DSA related problems solved on LeetCode.

COURSES

- **Applied Machine Learning in Python** (University of Michigan, Coursera)
- **TensorFlow Developer Professional Certificate** (DeepLearningAI, Couseara)
- **Generative Adversarial Networks (GANs) Specialization** (DeepLearningAI, Coursera)
- **AWS Cloud Masterclass - Cloud Practitioner Essentials** (AWS FutureSkills)