**Aarav**

Phone : **919-987-5657** [**aarav.bogadapati@deeptechnyse.com**](mailto:aarav.bogadapati@deeptechnyse.com) [aarav.bogadapati@gmail.com](mailto:aarav.bogadapati@gmail.com)

Certificates and achievements : [www.aaravworkshop.com](http://www.aaravworkshop.com/)

Resume and Code Repo : <https://github.com/aaravbogadapati>

Linkedin Reference : [www.linkedin.com/in/aarav-bogadapati-29a716277](http://www.linkedin.com/in/aarav-bogadapati-29a716277)

My IT Products : <https://deeptechnyse.com/about-us/>

My AL / ML Mentor References : Dr. Dushyant PhD (UCONN University)

Hari - AL / ML Director , Texas University professor

Synopsis :

Ever since my childhood, I have been fascinated by the mix of technology & finance, particularly Fintech, Securities trading, Forex and block chain. When I saw my close friend drop out of the band because of financial constraints. I felt bad and wanted to help. I knew the finance market had good opportunities for small investments but knowledge and general awareness were needed.. So, I started by exploring how technology can help small investors make more informed decisions and overcome financial hurdles. This journey led me to build a **Financial Portfolio App**. I evenstarted my own Company [**www.DeepTechNYSE.com**](http://www.deeptechnyse.com)**,** to make this product accessible to everyone. Through my company I have provided IT services for NGOs. This led me to create “**Video Surveillance App '' and** **“Tax Filing App”,** thus allowing me to apply my technical skills to solve practical problems and make a positive impact to my community.

My dedication to this field has earned me recognition as a "**Young Entrepreneur**" by PCHS DECA lead Mrs. Lee. To share my knowledge and insights with others, I established the PCHS "**Finance & Economics Club**," where I share what I know about market analysis and financial concepts with my classmates..

**FinTech App**:

This **Python-based** **machine learning(RNN)** program retrieves stock data from Yahoo Finance to provide predictions on the potential price for the following day. This enables users to make more data-oriented investment decisions, ultimately enhancing the profitability of their portfolio.

**Invoice Digitization App**:

This **Python** application utilizes **PyTesseract** and the **RE-SEARCH** model to scan receipts for an NGO’s. It aims to provide the organization with enhanced insights into their operational costs, enabling them to efficiently file taxes and saving them the labor costs associated with manually entering each value.

**Video Surveillance Product** :

An NGO approached me with a request to build this product in order to save on operating costs. The organization will significantly reduce expenses by processing videos and receiving daily reports on any incidents that occur. I have worked at DeepTechNYSE in AI / ML / R-NNN Technologies. I have learnt / used expertise in building Finance / Investment Trader skills.

| Analyst | Business Intelligence Certified by Google  Trading Securities.  Placing PUT’s and SHORT’s during Trading day. |
| --- | --- |
| Finance | Financial Market Certification by Yale University  Focussed on Finance and Technology Domains. |
| Technology | Python Course from Coursera |
| Fintech / Technology | Self Learned : Technology and Finance Domain courses from YouTube. |

**Technology Used :**

| Tools / Languages | Python 3.11, 3.12, Pandas 2.0, 2.1, React JS, Github, MS Office |
| --- | --- |
| GUI | Xamarin ( Android & iOS), Wordpress, Elementor, Django, Flask, Kotlin |
| Cloud | Google Cloud Platform (Host website, Domain), AWS for Website hosting |
| Database | MS Sql |
| Machine Learning / Packages | Keras, SK Learn, Linear Regression, Recurrent Neural Network (RNN) , Coco DataSet, Invoice Package : PyTesseract, Beautiful Soup, Turtle |

**Personal Info @** [**www.aaravworkshop.com**](http://www.aaravworkshop.com/)

**Core Functionality : Personal Information, Games, Charitable programs, Recycle electronics.**

I have revamped my Website many times in the past 4 years. Hosted on Google Cloud Platform with static VMC, it is low cost hosting with security to my website. I have charity events updates and sales of used computer peripherals which would have caused a huge amount of pollution if they are discarded. I think the best way to save pollution is by REUSE of electronics and I am doing my part by using my website to publish used electronic equipment and decrease the need to purchase new.

**Eco System** : Wordpress, Django, Flask, GCP, Jupyter Notebook. IntelliJ

**Application / Games :**

**Android : Dice Rollout**

This application works on Kotlin using Android Studio IDE. It is a simple DICE with prediction of the output. This improves in guess work and kids can play as DICE for the board games.

Google AppStore.

**Eco System** : Android Studio, Visual Studio, PyCharm, Kotlin

**Windows : PingPong Game**

Used the Turtle package in Python to develop this simple game. It is a Windows / Python based game. I shared it with my friends, so they can play in their free time.

**YouTube Channel creation.**

I have 2 mainstream focussed Youtube channels for Music & Arts and other for Gaming Videos. I love content development. These channels provided me with a good platform to display my creation.

**Activities / Achievements:**

My experience starts (from 2018) with my Website ([www.aaravworkshop.com](http://www.aaravworkshop.com/) ) which I have initially built using DJANGO and later with Wordpress. I have built small games for Revenue generation for my website hosting and other expenses and apps on mobile. I have multiple YouTube Channels for various content like creation on Origami and Music Videos. I have a channel for Games like teaching Chess and Fortnite.

**Highlights of Achievements**

**USA - Donald Trump Signed : President Award for Excellence in Academics.**

**USA - President Award for Volunteer Award for Supporting NGO’s and Community Services.**

**USA - Participated in Chess, Swimming and Tennis**

**Music - Flute - ABRSM Flute Certification.**

**TATA-YUVA : Python (ML / AI) Instructor for 2023 / 24.**

**President for the Finance & Economics Club.**

**Leader ( Board) Member in Technology Student Association.**







