Abhishek Yanamandra

E-mail: abhishek.yanamandra@gmail.com, abhishekasdzxc@gmail.com
Mobile: +91 8121911114
Linkedin: Abhishek Yanamandra
GitHub: https://github.com/abhishekyana

Career Objective:

Seeking a challenging position in Industry where my strong programming and problem-solving skills, and my background in Machine Learning, Artificial Intelligence and Data Science can be used in new, innovative ways for personal and professional growth.

Educational Qualifications:

S.No	Qualification	Name of the Institution	Year of Passing	University/ Board	Percentage/ CGPA
1.	UG	GITAM Institute of Technology	2018	GITAM University	8.78
2.	Intermediate	NRI Junior Kalasala	2014	BIE (State Board)	96.3%
3.	SSC	Sri Chaitanya Techno School	2012	SSC (State Board)	9.3

Internship:

Industry	ECIL (Electronics Corporation of India Limited)
Project Title	Accident Alertness in Vehicles
Technology	Embedded Systems, Microcontrollers and PCB Design.
Role in Project	Project Leader and Technical Head in a team of 5
Description	Aim of the project is to develop a system that can alert the User's close contacts upon mishap to the vehicle to which it is embedded and at the same time be accurate, energy efficient and low-budget. We were successful in completing the project with good results within the stipulated time.

Technical Traits:

Technically sound in applied Electronics, Programming, Machine Learning and Deep Learning. A Focussed individual for pipelining the projects and completing with excellence.
Programming Languages: Python(Advanced),C,C++(Intermediate),HTML ,MATLAB(Basics).
Operating Systems: Linux, MacOS, Windows.
Softwares: Autodesk Fusion, Eagle, IDE, Keil µvision,

Projects:

1. Supervised Machine Learning algorithms from scratch(Numpy) and Tensorflow:

   Role in Project: Project Leader and Technical Lead.

   - Linear Regression (Numpy) for predicting the House price given the house features and Logistic Regression models (Tensorflow) for Predicting the cancer if benign or malignant based on the tumour size parameters with 95%, 94% accuracies respectively.
2. Robotic Hand controlled with speech commands:
   - This hand responds to speech commands given by the user and performs the tasks accordingly.
   - It uses 3d printing, Embedded Systems and Deep Learning for operation.
3. Hot Word detection from speech:
   - Continuous Speech is converted into MFCCs (from tiny audio snippets) of 1 sec 16KHz sampling rate.
   - MFCCs feeded as image to CNN classifier and optimized over labels (10 classes).
   - Train accuracy is 96% and also works as voice verification system.
4. Artificial Intelligence Assistant:
   - Speech-to-Text Conversion with Sequence Models (RNNs).
   - Natural Language Processing (NLTK) applied on obtained phrase to analyse sentiment in the sentence and Recommendation systems to suggest movies for the user (Bag of Words model).

Online Certifications:

S.No	Course Name	Certification Board	Grade Achieved
1.	Deep Learning Specialization	Deeplearning.ai (Through Coursera)	100%
2.	Machine Learning	Stanford University (Through Coursera)	96.1%
3.	Python Programming	University of Michigan (Through Coursera)	98%

*And Other Certifications, Codes are uploaded to GitHub.

Extra-Curricular Activities:

- Participated in ‘Independence Day’ and ‘Swachch Bharath’ Campaign organised by NSS.
- Member of Rotaract Club and Akshaya Patra NGO.

Personal Information:

- **Father’s Name:** Srinivasu Yanamandra
- **Date of Birth:** 28/July/1996
- **Languages:** English, Telugu, Hindi
- **Hobbies:** Tinkering old house hold appliances; Reverse Engineering.

Date: 28-Aug-2018
Place: Visakhapatnam Abhishek Yanamandra