S. HARIVIKNESH

https://harivikneshs.github.io
Phone: +91 8072141343
Email: harivikneshs@gmail.com

Educational Background

2017-2021	B.Tech, Electronics and communication engineering , National Institute of technology, Puducherry CGPA 9.46
2017	Class XII CBSE: 96.05%

Skills and Interests

General:	Data Science, Machine Learning, Deep Learning
Languages:	Python, C/C++, Java
Development:	Native Android dev, Web dev (Frontend + Django)
Tools:	AWS, Git, Firebase, MATLAB
Libraries:	Scikit-Learn, Pandas, Tensorflow, Keras

Experience

Android developer

Sep 19- Present

Neso Academy: Online courses

- Working as a core member in a team of 4 for developing an Udemy like Android app that provides online courses in engineering domain
- Working on Implementation of UI and functionality for displaying courses/chapters, managing user accounts, cart, search, recommendations, purchases and payments using Firebase as backend
- The core challenge of this project is to optimize the app and making it scalable to support thousands of existing users

Android developer

Nov 18- Apr 19

Mangoo: Online food delivery

- Worked as a lead member in a 5 member team for developing an online food delivery Android app (similiar to Swiggy) from scratch.
- Developed the frontend for restaurant and admin counterparts of the app . Used Firebase as backend to manage and track status of each order
- Implimented various features like real tme tracking of driver, admin panel, updatng menu, analysing orders, push notificatons.

Projects

Cloud Malware Scanner

Machine Learning + Android

- Deployed a python script on cloud (AWS EC2) that converts apk file to smali files (similiar to assembly code), uses a machine learning model (SVM + NLP) to find if it's a malware
- Built an Android app that serves as a client to the above script which runs on server, let users choose an installed app and print the result(malware or safe) after scanning

Prediction of personality using tweets

Deep Learning

- Built a deep learning model (multlayer perceptron) that classifies one's personality into 16 categories like introvert, extrovert, judgemental, perceiving etc using his/her tweets
- Trained the model using MBTI dataset from kaggle and carried out basic NLP tasks like stemming, vectorising using scikit learn.
- Made a Python program that uses this trained model and Twitter API to fetch recent 50 tweets or arbitary user and predict his personality

App for college fests

Android

- Created companion android apps for our college's cultural fest (Leciel) and technical fest (Gyanith).
- Implemented features like showing live events, notficaton remainder for favourite events, real tme updates etc. by using Firebase as backend
- Created cool animatons and used fest's website's API to show user profile and handle registratons.

Achievements

- Selected for nationals under INSPIRE programme for a science project named **'Mini home cleaning bot'**
- Top 1 percentile (All India) in Physics in Class XII CBSE

Position of Responsibilities

- Head of app develpment team of our college
- Pioneer in establishing app development club/team in our college

Volunteer Experiences

Member of NGO

been a member of 'Knowledge-now' , a NGO founded by students of NIT-PY that aims in improving knowledge of rural students by teaching students in and round slums of Karaikal