

Educational Background

2017-2021	Bachelor of Technology, Electronics and communication engineering National Institute of Technology, Puducherry CGPA 9.46/10.0 (till 4 th semester)
2017	Class XII CBSE: 96.05%
2015	Class X CBSE: CGPA 10.0/10.0

Skills and Interests

General:	Data Science, Machine Learning , Deep Learning
Languages:	Python, C/C++, Java
Development:	Android app dev (native SDK)
Tools:	AWS, Git, NodeRed (IoT)
Libraries:	Scikit Learn, Tensorflow, Keras
Embedded:	8085, 8086, 8051

Projects

Android	Online food ordering app <ul style="list-style-type: none">• Developed an Android app for Mangoo (an online food delivery chain in Karaikal like swiggy) from scratch.• Used firebase as backend to manage and track status of orders.• Implimented various features like real time tracking of driver, admin panel, updating menu, analysing orders, push notifications.
Machine Learning	Cloud malware scanner <ul style="list-style-type: none">• 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• This project was done during my short term contract to a company

- Deep Learning
- Prediction of personality using tweets**
- Built a deep learning model (multilayer 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.
 - Used Twitter API for fetching recent 50 tweets of arbitrary user
- Android
- App for college fests**
- Created companion android apps for our college's cultural fest (Leciel) and technical fest (Gyanith).
 - Implemented features like showing live events, notification remainder for favourite events, real time updates etc.
 - Created cool animations and used fest's website's API to show user profile and handle registrations.
- Deep Learning
- Handwritten Digit classifier**
- Developed and trained a neural network (CNN) using keras/tensorflow to classify images of handwritten digits to corresponding numbers from MNIST database
 - Explored various deep learning models and tuned different parameters to obtain a best accuracy of 99.8 %

Achievements

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

Volunteer Experiences

Member of NGO

Feb 18- Feb 19

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