**ABINESAN T**

[abinesan1@outlook.com](mailto:abinesan1@outlook.com)

+91- 8807308488, 7667747702

**Summary of Experience**

* Having around 1.5 years of experience in **Software** and **Hardware** Development
* Hands on Experience in AI, ML and NLP Chabot Service for Customer service, Healthcare, Assessment bot using Web Socket, Rest API.
* Hands on Experience **Python Django**
* Hands on Experience in Restful API’s, MVC, MVT, ORM, Sessions using **Python Django**
* Good Knowledge in Big Data ecosystem and its various components such as Hadoop, Spark, Map Reduce, HDFS, Kafka.
* Hands on experience in AWS (EC2 ,S3)
* Hands on experience in predictive data analysis ,machine learning and deep learning using Tensor flow , Scikit-learn, Numpy ,Scipy, Pandas
* Good knowledge in writing SQL Queries for **MySql.**
* Ability to perform at a high level, meet deadlines, and adaptable to ever changing priorities. Learning new technologies
* Good analytical, Interpersonal and Communication skills, fast learner, hardworking and good team player

**Technical Skills**

**Software**

* **Web Framework :** Django Python
* **Big Data :** Hadoop **,**HDFS, Spark, Kafka , Machine Learning
* **Machine Learning :** Linear Regression, Logistic Regression, SVM, KNN, K-Means Clustering, Hierarchical Clustering, Neural Networks (ANN, CNN, RNN)
* **Libraries Used :** Pandas, Numpy , openCV, Scikit-Learn, Keras, Tensor flow, NLTK, Pytesseract

**Hardware**

* **Boards Used :** Raspberry Pi, Arduino, Arm, Pic
* **Wireless Protocols:** HTTPS, FTP, TCP/IP, MQTT, Bluetooth, Wi-Fi in Python and C
* **Wired Protocols:** I2C, SPI, U(S)ART, RS232, USB

**Tools & Languages**

* **Languages:** Python, Java, Embedded C
* **IDE:** Jupyter Notebook, VS , Spyder, Google Colab ,Eclipse , Arduino IDE
* **Operating System:** Windows and Ubuntu

|  |  |  |  |
| --- | --- | --- | --- |
| **Company** | **Technology** | **Designation** | **Duration** |
| Colan InfoTech Pvt Ltd | Python , AI,ML  Chabot , Django | Software Engineer | Nov 2018 to till date |
| Edjoy | Python ,Robotics, IoT | Python Developer | Feb 2018 to Nov 2018 |
| Einnel technology | Python, Embedded | Intern | May2017 to June 2017 |
| Aaran cyber technology | Python | Intern | Jan 2017 to March 2017 |

**experience**

**projects**

**Role: Software Engineer – Python ML, Django**

**Project: Tomato Medical Mar 2019 – till date**

**Technologies: Tensor flow, Pandas, Numpy , NLP , Sklearn-kit, S3**

**Project Description:**

Tomato medical complete Advanced AI and ML health care domain web application which having following futures of AI Assessment Chabot ,Live video chat, Text Robot, GPS tracking ,Geo fencing, SOS ,Online Telemedicine ,Doctor Appointments ,Data analysis, Pharmacy

**Responsibilities:**

* Worked on Assessment Bot which gives smart health report based on the user symptoms assessments
* Worked on Text Robot which Auto generated Text and summary it using various web sites
* Worked on Django backend API’s crud operations json parsing saving In db using sql queries
* Deployment process in AWS( EC2, S3)
* Daily Report to Client with update and requirements

**URL:** <https://tomatomedical.com/>

**Project: Colan Company Chabot Feb 2019– March 2019**

**Technologies: Python, Web sockets, ML, NLP**

**Project Description:**

Colan Chabot is deployed in company website which used for customer service support like contact, company profile, career, client interaction and hire developers.

**Responsibilities:**

* Worked on Web Socket’s python backend Api
* Worked on NLP text preprocessing
* Worked on auto mailing and response for the customer who contacted by chat
* Worked on clients Appointments and schedules using Chabot

**URL :** <https://chatbot.colaninfotech.com/>

**Project: Dochain Nov 2019– Feb 2019**

**Technologies: Python, Tesseract OCR, NLTK**

**Project Description:**

DigiDoc is an intuitive accounting automation and document management system that allows small and medium enterprises to innovate and improve their bottom line by reducing the cost of operations while also freeing up resources to focus on “things that matter” to the business growth. Paperless offers the following benefits to its customers

**Responsibilities:**

* Worked on OCR document classification and save to relevant users files
* Worked on NLP text preprocessing
* Daily client updates
* Daily Report to Client with update and requirements

**Project: Human Emotion and Gender Recognition  Feb 2018– Jul 2018**

**Technologies: Python, Open CV, Tensor flow, Pandas, Keras, Hdf5**

**Project Description:**

Detect the Emotions and gender of human during the Events

**Responsibilities:**

* Worked on Open CV, Image preprocessing Neural networks Using tensor flow
* Learned tensor flow and R & D for project

**Project: Pollution Prediction  Sep 2017 – Nov 2017 Technologies: Python, Pandas, Numpy, Sklearn-kit, and Artificial Neural Networks Matplotlib**

**Project Description:**

Dataset contains Road length, traffic, location, vehicle direction & temperature level

Based on this data need to predict how much pollution occurs in future to alert people avoid those ways

**Hardware Project**

**Role: Embedded IoT Developer**

**Project: Smart IoT Based Industry/Home Automation Sep 2018 – Nov 2018 Technologies: Python, Pandas, Numpy, Sklearn-kit, And Artificial Neural Networks Matplotlib**

**Project Description:** IoT based smart switch which can operate from mobile ON/OFF Switched Manually and Automatically (Time scheduling)

**POC Projects**

**Projects: NIOT** Sea waves and Tsunami prediction, Flip Kart, Tamil Nadu and Pondicherry Rain Fall prediction, Housing Price, Kddcup , IoT patient , Hr Salary Increment

**Technologies:** Python, Tensor flow, Pandas, Numpy, Sklearn, Artificial Neural Networks,  Matplotlib

**Education**

* 2014 – 2018 **BE ( ECE )** Vels Institute of Science Technology Chennai **61.79%**
* 2011 - 2012 **12th** N S H S School Theni **69.44%**
* 2009 - 2010 **10th** N S H S School Theni **85%**

**Certifications**

* Big Data Hadoop & Spark, Scala Data-Flair
* Core Java Faaz Technology Solution

**Achievements**

**Academic**

* Won 3rd prize in project display Event LAMSYS conducted by **ISRO** on 20th&21st April at Sathayabama University
* Finalist in **DEVEMERGE Chennai HACKTHON** Event held on August 19th -20th at IIT Madras Research park Chennai
* Shortlisted at **CISCO MTUITY SMART CITY HACKTHON**, Event held on 16–17th June 2017, at T-Hub IIT Hyderabad.
* Shortlisted at **RAMCO LYNK HACKS** Event held on 9–10th Nov 2017
* Won 1th prize in paper presentation Event *Co*gnit held on 12th August 2017 at *M.N.M JAIN Engineering College*

**Sports**

* Won 4th place in National Level Basketball Tournament
* Won **Silver Medal** in State Level Firing.
* Won 1st place in 1500 meet Division level Athletics meet.

**Personal Details**

**Date of Birth**  **:** 15/04/1994.

**Language Known :** Tamil(R/W/S), English(R/W/S), kanadam(S).

**Hobbies :** Basketball, Chess, Photography, Travelling.

**Place:**

**Date: (ABINESAN T)**