

Mahesh BHARADWAJ K

Software Developer | Natural Language Processing | Machine Learning

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i Born on 23 March 2000 (Age : 20)



SUMMARY

I am in my junior year studying *Computer Science and Engineering* at SSN College of Engineering. I am interested in the fields of **Machine Learning and Deep learning**. I am a team player, good at solving challenging problems and strive for excellence in programming practices.

EDUCATION

SSN College of Engineering, Chennai	2022 (Expected)
Bachelor of Engineering, Computer Science	CGPA : 9.14(Semester III)
PS Senior Secondary School, Chennai	2018
12 th Standard	96.2%
PS Senior Secondary School, Chennai	2016
10 th Standard	10.0 CGPA

EXPERIENCE

Present April 2020	Undergraduate Research Assistant (Part Time), SOLARILLION FOUNDATION, Chennai <ul style="list-style-type: none">> Working as a team to research in machine learning> Guiding new members in their project phase <div>Keras Scikit-Learn Tensorflow Git</div>
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SKILLS

Programming Languages	Python, Java, C++, C, HTML, CSS, Dart
Frameworks	Matplotlib, Tensorflow, Keras, Flask, flutter (<i>App Development</i>)
Database Systems	Oracle Database, MySQL
Integrated Development Environments	Visual Studio Code, Eclipse, Code Blocks

PROJECTS

SUDOKU SOLVER FROM IMAGES 2020

 [GitHub repository](#)

This project designs a website which accepts images of sudoku, extracts the data using CNN and Image Processing techniques, solves the sudoku and displays the result.

CNN Image Processing Flask HTML CSS

FLIGHT DELAY PREDICTION 2020

 [GitHub repository](#)

This project aims to develop a two stage model to predict if flights will be delayed upon arrival and if so, the delay in minutes based on the weather data at departure

Python Machine-learning Scikit-Learn Pandas jupyter notebook

PANEKA - THE DISCORD FOOTBALL STATS BOT 2020

 [GitHub repository](#)

The bot serves real-time standings, fixtures and league standings on demand! Written using *discord.py*, the bot is currently hosted on *heroku*

Python3 discord.py Requests API asyncio

PERSONAL WEBSITE

2020

 [GitHub repository](#)  [Website](#)

Personal website written using vanilla css currently live at <https://maheshbharadwaj.github.io>

HTML5 CSS3 JavaScript

AIRLINE MANAGEMENT SOFTWARE

2019

 [GitHub repository](#)

Software to manage airlines flights and ticketing written using java for OOP lab project. Uses java.util.collections, interfaces and custom Exceptions made for application

Java Collections Interfaces

EXPENSES TRACKER MOBILE APPLICATION

2019

 [GitHub repository](#)

This app aims to track the expenses incurred daily. Provides a bar chart depicting the amount of money spent in the past 7 days as a percentage of the total amount spent in that period. Designed based on the *google Material Design Theme*

Flutter SDK Dart SQLite Android Studio

HOTEL MANAGEMENT SOFTWARE

2019

 [GitHub repository](#)

This project aims to create a command line tool to manage the daily operation involved in managing a hotel. This Project supports reservations for all rooms using priority queues.

C AVL-Tree Priority Heaps File Handling

REAL TIME ENCRYPTION DECRYPTION SIMULATOR

2018

 [GitHub repository](#)

This projects aims to simulate the real time encryption of files sent across a network using public key principles and uses a running key cipher.

C++ Win32 API

COURSES COMPLETED

TENSORFLOW IN PRACTICE

2020

 [Certificate](#)

Series of 4 courses on the real world application of tensorflow.
Offered by *Deeplearning.ai* on **coursera**

tensorflow keras

DEEP LEARNING SPECIALIZATION

2020

 [Certificate](#)

Series of 5 courses dealing with the fundamentals of deep neural networks
Offered by *Deeplearning.ai* on **coursera**

DNN CNN LSTM GRU forward propogation back propogation

VERSION CONTROL WITH GIT

2020

 [Certificate](#)

Course on the basics of version control and workflow management using multiple branches
Offered by *Atlassian* on **coursera**

git version-control

EXTRA CURRICULAR

1. National Service Scheme

2018-2020

Cleaning the college campus
De-silting a pond in Chennai

2. TCS IT Quiz 2018

4th Place in City Finals

3. Saarang General Quiz 2017

2nd Place