

# Gokul Sivakumar

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## OBJECTIVE

To be a part of a highly progressive organisation for the continuous enhancement of technical and non-technical expertise. To work in a challenging atmosphere by exhibiting my knowledge and interpersonal skills with the utmost sincerity and dedicating smart work for the growth of your esteemed organisation along with me.

## TECHNICAL SKILLS

- Programming Languages C, C++, Java(Basic & Core), Python(OOPS and Data Structure) .
- Libraries/Frameworks Makefile, Flask, Keras, Tkinter, Kivy, Django, Tensorflow, Scikitlearn, Open CV, Pandas, Matplotlib, Scipy.
- Cloud IBM Cloud.
- Tools/Platforms IBM Watson Studio, Microsoft Power BI, Microsoft Excel, Microsoft Office, Git, GitHub.
- DBMS MySQL.

## PROJECTS

- Design and Implementation of Waste Collecting and Rewarding Application | D-Grade Application | [Link](#)**  
This project focuses on the design and implementation of an innovative waste management and rewarding application called "D-Grade" by following **SDLC & STLC**. Utilizing Django as the web framework and SQLite as the database, the application was successfully developed and deployed on **PythonAnywhere**. The primary objective of this application is to create a waste-free environment while providing significant benefits to individuals.
- Fertilizer Recommendation system for disease Prediction | IBM | [Link](#)**  
*AI based web applications (Html, CSS, JS, Flask, Django, Tensorflow, CNN, Jupyter Notebook, Python, IBM Watson Studio, Cloud Service)*  
The Fertilizer Recommendation system for disease Prediction by following **Agile Methodology** is a simple ML and DL(**CNN**) based website which recommends the best crop to grow, fertilizer to use and the diseases caught by your crops.
- Face recognition based attendance monitoring system using OpenCV | [Link](#)**  
This project focuses on the development of an attendance monitoring system utilizing face recognition technology using **haar cascade algorithm**. The system incorporates the Tkinter library for creating a graphical user interface (GUI). OpenCV is employed for capturing images and performing face recognition using the `LBPFaceRecognizer_create()` function. Additionally, CSV, NumPy, Pandas, datetime, and other libraries are utilized for various purposes throughout the project.

## EDUCATION

- Adhiparasakthi Engineering College, Melmarvathur, India** **Sep 2019 - Jun 2023**  
Bachelor of Engineering (**B.E**) in Electronics and Communication Engineering (**ECE**) with **85%**.
- Montfort Matric Higher Secondary School, Tindivanam, India** **Jun 2018 - Jun 2019**  
Higher Secondary Certificate (**HSC**) with **57%**.
- Montfort Matric Higher Secondary School, Tindivanam, India** **Jun 2016 - Jun 2017**  
Secondary School Leaving Certificate (**SSLC**) with **82%**.

## CERTIFICATIONS

- Python (OOPS, Data Structure, Algorithms, File Handling, Dynamic Programming)** – **Spoken Tutorial, IIT Bombay**
- Data Science Tools (Jupyter Notebook, Anacondas, SQL, Power BI, Python, MS Excel)** - **IBM**
- Developer virtual Experiences program** (Health Care, Java, Black Box and White Box Testing, AI) - **Accenture**
- Algorithmic Trading with Python: Machine Learning strategies(ML Algorithms)** – **Udemy**
- C++ (C++ Basic)** - **Bharathidasan University, Tiruchirappalli**

## ACHIVEMENT

- Scrum Master, IBM | [Link](#)**  
As a scrum master, I coordinated and guided my team in developing an application for farmers using agile methodology under the supervision of IBM, and we received a distinction team score of **93.7**.

## VOLUNTEERING

- Student Co-ordinator | Adhiparasakthi Engineering College**  
Proud to be one of the initiators and coordinators of the Hande Over Innovation Cell, a new initiative in my college aimed at accelerating motivation and innovation among students.
- Pilot Commander | NCC**  
Awarded Merit certificate for the **NCC 'A' Certificate Examination** held in 2015 under the authority of the Ministry of Defence, Government of India and attended annual training camp1 -2014 1(TN)AIR SQN NCC on Tambaram and the participants in **World Record** conducted by the NCC for **International Day of Yoga on Jun 21, 2015**.

## HOBBIES

- Digital Painting and 3D Design** using **Blender**
- Music Composing and Rocket modeling (**Model Rocket**).