

Amal Dhivyan Gregory

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EDUCATION

Vellore Institute of Technology

B.Tech in Computer Science, with Specialization in IoT; CGPA 9.02/10

Vellore, India

2022 – Present

National Public School

High School; Grade 12 AISSCE - 96% Grade 10 CBSE - 97%

Bangalore, India

2019 – 2022

EXPERIENCE

Flextronics Technologies India Private Limited

June 2024 – July 2024

ML Intern

Chennai, India

- Created a machine learning model to predict overdue payments using financial invoice data with a Mean Absolute Error of **5.45** on a test set of over **10,000** records
- - Conducted exploratory data analysis using PCA and EFA, reducing feature dimensionality by over **30%** while retaining key predictive variables.
- Benchmarked **three** ML algorithms (e.g., Random Forest, XGBoost, Decision Tree), while optimizing for precision.

Tech Mahindra Ltd.

May 2024 – June 2024

Software Development Intern

Chennai, India

- Helped to visualize and manage real-time stock data graphically through a Windows application
- Worked on C++ and the ImGui library(using GLFW) for GUI creation
- Implemented efficient file handling using text files to store and manage large volumes of stock data

PROJECTS

Devsoc '25 Hackathon - Skill Fund | Django, React

February 2025

- Created a peer-to-peer learning platform for students in a 48 hour hackathon
- Implemented authentication using JWT in Django, and integrated SMTP functionality for automatic email handling

Bolt 2.0 Hackathon - UrbanPulse | Python, Flask

February 2024

- Developed a web application using Flask and various APIs to attempt to define how sustainable a given city is
- Aggregated an environmental score using real-time data on weather, air quality, and UV levels

Overclock Game Jam - Deadly Holler | Unity, C#

September 2023

- Created an audio based game using Unity for a 24-hour game jam
- Developed a unique attack system where users' attacks were triggered based on the loudness of their audio input
- Created a 2D platformer style map from scratch in Unity

TECHNICAL SKILLS

Languages: Python, C/C++, Java, JavaScript, TypeScript, R

Frameworks: React, Flask, Django

Libraries: pandas, NumPy, Matplotlib, ImGui, Scikit-learn, XGBoost

EXTRACURRICULAR

Debate Society, VIT

March 2023 – Present

Core Committee Member

Vellore Institute of Technology, Vellore

- Uhuru Worlds ESL Finalist
 - * Ranked as (**4/350+**) among English-as-Second-Language Teams and **2nd** highest ranked Indian Team in Uhuru Worlds: One of the biggest parliamentary debate competitions in the world with participants representing countries from **6** different continents.
 - * Part of the **1st** team from VIT to ever reach the finals of Uhuru Worlds.
- Open Grand Finalist (**4/30+**) in NUALS Parliamentary Debate **2024** organized by the National University of Advanced Legal Studies, Kochi (Awarded INR **15,000**).
- Open Grand Finalist and **1st** Ranked (**1/50+**) Team in **2nd** Sir Mokshagundam Visvesvaraya Debate **2024** organized by SMVIT, Bangalore (Awarded INR **10,000**).