Vihaan Sirupurapu

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EDUCATION

Vellore Institute of Technology	Vellore, India
B.tech in Information Technology, GPA 8.6/10	*Aug. 2019 – Present*
National Public School , Yelahanka	Bangalore, India
Science Stream with Computers	*Jun 2017 – Apr 2019*

- **Vice house captain at National Public School** .

WORK EXPERIENCE

Verzeo Edutech   May 2019 – June 2019

Machine learning summer intern

- Learnt and applied basic ML concepts such as regression, SVM and NLP
- Devised a model which predicted the cost of secondhand cars with an accuracy of 81%
- Used python tools such as Sckit, Pandas and Numpy
- Recieved the Microsoft AEP certification for my work

PROJECTS

Clubs On the Go   Sep 2020

- Created a system which matches college students with appropriate clubs based on their interests
- Designed the backend of the website using PHP and Apache and frontend using HTML and CSS
- Created back end databases, fetched data and wrote queries using MySQL

Pokemon with python   Nov 2018

- Simulated a desktop game which was inspired by the existing game Pokemon
- Implemented all game logic from the original game with simple truth logic to guide players
- Used python to create a menu driven interface through which the user can play the game
- Learnt the concepts of OOP,user experience and project planning

Leaf disease detection using Machine learning   May 2021

- Created a machine learning model to detect and identify the leaf disease.
- Used python, TensorFlow, Keras to create the model
- The model was successful with an accuracy of 89 percent
- Learnt the concepts of image pre-processing , convolutonal neural networks and project planning

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, C++, C, Java, PHP, NodeJS (minimal proficiency)
Frameworks: AngularJS (minimal profiency)
Course Proficiency : Data Structures, Algorithms, RDBMS, Discrete Mathematics, Object Oriented Programming, Digital Logic
Libraries: Jquery, NumPy, Scikit, Pandas
Others: Unix command line, Git

CERTIFICATIONS

- **Microsoft Training Associate – Introduction to Python Programming, 2019**. Was awarded this certificate for establishing skills in basic Python programming

- **Microsoft Authorised Education Partner , 2019**. Was awarded this certificate for completing an internship on Machine Learning by Verzeo Edutech

- **Course completion certificate on Machine Learning by Coursera , 2019**. Was awarded this certificate for successfully completing Andrew Ng's machine learning course offered by Stanford University

OUTREACH

- **Socially Useful Productive Work(SUPW) , 2017**. Carried out social service by teaching basic reading and writing at a children's home