Sanchet Nagarnaik

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Work Experience

CSIR-CEERI PILANI | Machine Learning Research Intern
May 2021 – August 2021 | Online
- ➔ Working as a part of a 2 member team to build a successful model for object detection and segmentation of apple fruit diseases and scale it up to a more generic form.
- ➔ The goal is to obtain a bulk dataset from a relatively small one using Generative Adversarial Networks (GANs) and then, build up a model using Computer Vision and ensure its scalability to more generic fruits and plants and possibly develop an application for the same.

Projects

LEAF IMAGE ANALYSIS | Python3, Deep Learning
Jan 2022 - Present
- ➔ A Study Oriented Project involving core Machine Learning and Deep Learning concepts
- ➔ Working on it as an undergraduate researcher under Dr. Swati Agarwal co-mentored by Gunjan Chhablani
- ➔ Using Docker containers on institute based servers, we are building a wholistic end-to-end application involving leaf disease classification as well as detection and segmentation.

AUTOMATIC PILL DISPENSER | Logic Circuits
August 2020 - December 2020
- ➔ An undergraduate course project for the course Digital Design.
- ➔ Idea is to use actuators and logic ciruits to build an automatic pill dispenser and refill for possible applications in old age homes.

DOOR SECURITY CONTROL | Logisim, Assembly Language
January 2021 - May 2021
- ➔ Undergradute course project in Microprocessor and Interfacing where we performed Door Security Control to automate its working using ASM language and Logisim - Eagle CAD under the supervision of Dr. K.R. Anupama

Education

BITS PILANI, K.K. BIRLA GOA CAMPUS
B.E. Computer Science
Minor in Data Science
July 2019 - Present | Goa, India
Cum. GPA: 9.00 / 10
Merit Scholarship in Second Semester 2019-20

THAKUR VIDYA MANDIR HIGH SCHOOL AND JUNIOR COLLEGE (SCIENCE)
Class XII, MSBSHSE
May 2019 | Mumbai, India
Percentage : 92.73 %
Ranked 1st in Junior College-Science

THAKUR PUBLIC SCHOOL
Class X, ICSE
Specialization in Computer Applications
May 2017 | Mumbai, India
Percentage : 97.33 %
100 % in Computer Applications and 2nd in School

Skills

PROGRAMMING
Python3 • C • C++ • Java • MERN Stack • JavaScript • CSS-HTML • Assembly

LIBRARIES/FRAMEWORKS
TensorFlow • PyTorch • React

TOOLS/PLATFORMS
Git • Jupyter

Workshops

FUNDAMENTALS OF DEEP LEARNING | NVIDIA DLI | Online

June 2021
- ➔ An in-depth workshop on modern Deep Learning.

PROBABILISTIC GRAPH MODELLING | APPCAIR, SAiDL | Online

April 2022
- ➔ An online training programme on Probabilistic Graph Modelling.

Coursework

MAJOR IN COMPUTER SCIENCE
- Computer Programming
- Object Oriented Programming
- Data Structures and Algorithms
- Database Systems
- Operating Systems
- Design and Analysis of Algorithms*

MINOR IN DATA SCIENCE
- Foundations of Data Science
- Natural Language Processing
- Statistical Inference and Applications
- Applied Statistical Methods
- Machine Learning*
- Reinforcement Learning*

* - ongoing

Certification

- Deep Learning-Neural Networks | Coursera
- Deep Learning with PyTorch-Object Localization | Coursera
- Fundamentals of Deep Learning | NVidia DLI
- Programming for everybody-Python | Coursera
- Python Data Structures | Coursera
- Using Python to Access Web Data | Coursera
- Intro to HTML5 | Coursera
- Intro to CSS3 | Coursera
- Interactivity with JavaScript | Coursera
- The Complete 2022 Web Development Bootcamp | Udemy
- Google Cloud Career Readiness Program (Top 50 in campus) | Google