Nirali Bandaru

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LINKS LinkedIn

Profile

A hard-working student with high grasping power and a strong incentive to learn and grow. Highly passionate about implementing creative ideas in the field of Artificial Intelligence. A fast learner, self-motivated and adaptive in challenging work-environments. Looking forward to learning and kick-starting new projects using AI and Machine Learning by acquiring an internship in the same in Summer 2020.

Education

Aug 2019 — May 2021
CLEMSON

Clemson University
MS Computer Engineering (Focus Area: Intelligent Systems)

Jun 2015 — May 2019
VELLORE, TN, INDIA

Vellore Institute of Technology
B.Tech Electronics and Communication Engineering

Aug 2011 — May 2015
GREENVILLE, SC

Southside High School (IB Program)

Skills

- Python
- MATLAB
- SQL, MySQL
- HTML & CSS
- PHP
- JavaScript
- CLIPS and FuzzyCLIPS
- Database Management
- Cadence
- NI Multisim
- Expert Systems Design
- Arduino
- Communication Skills
- Content Writing

Research

Jan 2020 — Present
TRACE RESEARCH GROUP, CLEMSON

Productivity Enhancement and Task Management of Project Teams through Artificial Intelligence

PROJECTS

Jan 2020 — Present
CLEMSON

Development of Online Multimedia Database System called MeTube

Current project for Database Management Systems Course. Skills such as HTML5, CSS, JavaScript, PhP, and MySQL are used to develop a website similar to YouTube.

Jan 2020 — Present
CLEMSON

An Investigation of the Multilayer Feedforward Neural Network Using Real EEG Waveform Data Features

An investigation of the MLFF architecture, use of bias, use of momentum and assessment using sensitivity/specificity measures.

Oct 2019 — Nov 2019

CLEMSON

Expert System Design for Diagnosis of Endometritis in Cows Using Tsukamoto Fuzzy Logic on FuzzyCLIPS

FuzzyCLIPS Programming was used to develop an expert system that determines the level of risk a cow had of being diagnosed with endometritis.

Sep 2019 — Oct 2019

CLEMSON

Earthquake Prediction Using CLIPS Programming

Significant earthquake data was used to design an expert system that predicts earthquakes by region. (Knowledge-based inference engine)

Sep 2019 — Nov 2019

CLEMSON

Implementation of Fibonacci Heaps using Python

Fibonacci heaps were studied and implemented using Python doubly-linked lists and dictionaries. Complexity was tested and compared with Python implementation of Priority Queues.

Sep 2018 — Nov 2018

VELLORE, INDIA

Wireless Soil Moisture Sensor for Smart Farming

Sep 2017 — Nov 2017

VELLORE, INDIA

Impact of Multi-cultural Working Environments on Project Execution and Modern Perception of Cross-Cultural Interactions

A survey was conducted to ask employees of multi-cultural project teams to assess the effectiveness and impact on project execution.

Feb 2017 — May 2017

VELLORE, INDIA

Guitar Tuning Using FFT Algorithm in MATLAB

Internships

Jun 2018 — Jul 2020

HYDERABAD, INDIA

Study of CNC and PLC Systems

BHEL

Oct 2017 — Jan 2018

VIRTUAL

Content Writer

RangDe

Wrote precisely 100 profiles for the NGO to encourage donations for rural entrepreneurs.

Community Service

Dec 2018 — Feb 2019

VIRTUAL

Child Rights and You (Fundraiser)

Jan 2020 — May 2018

VIRTUAL

ICCE, Green Revolution (Climate Counsellor)

Jan 2018 — Apr 2017

VELLORE, INDIA

Juvenile Care (Teaching children at Wheelthrust Orphanage)

Languages

English ●●●●●

Telugu ●●●●●

Kannada ●●●●●

Hindi ●●●○○

Korean ●○○○○

French ●○○○○

Hobbies

Singing, Dancing, Painting, Travelling, Writing Poetry, Reading