NITHEESH CHANDRA YARATAPALLI

nitheesh.my@gmail.com
(+91) 884-888-1708

A pre-final year B.Tech Computer Science student with advanced skills in Python and passion towards the latest technologies and methods. Awaits opportunities in field of research and development, to demonstrate transferable skills for mutual gain. A fast-learner with an enthusiasm for applied and transferable knowledge.

CAREER OBJECTIVE

Obtain experience with Network Simulators, looking forward to work with platforms like Tetcos Netsim or NS2. Eager to work in a fast-paced environment which include research-oriented development. Get my skills and abilities nurtured and used to the optimal potential.

EDUCATION

AMRITA VISHWA VIDYAPEETHAM, **JULY 2016 – PRESENT**
Amrita School of Engineering, Amritapuri, Kollam
B-Tech CSE
8.96 CGPA (till 5th Semester)

NARAYANA IIT ACADEMY, **JULY 2014 - MAY 2016**
Nellore, Andhra Pradesh
Andhra Pradesh Board of Intermediate Education
85.6% (12th grade)

RATNAM RESIDENTIAL HIGH SCHOOL, **JULY 2013 - MAR 2014**
Nellore, Andhra Pradesh
Board of Secondary Education of Andhra Pradesh
8.8 CGPA (10th grade)

TECHNICAL SKILLS

- Programming / Web:
- Scripting Languages:
- Backend Frameworks:
- Python packages:
- Familiar Software:
- Cloud Technologies:
- Networking:
  - Routing & switching of Cisco Devices
  - Rest APIs (worked with Cisco Spark)

AREA OF INTERESTS

Machine Learning
Deep Learning
Blockchain
Data Science & Analytics
IoT & Cloud Technologies

LEARNING EXPERIENCE | ACHIEVEMENTS

Zonal Python Competition organized by TECHRADIANCE'19 and IIT Bombay. APRIL 2019
3rd position

MINDEE, a semi-finished start-up, Amritapuri AUGUST 2017 - March 2018
Co-Founder, UX Designer, Program Tester

PERSONAL PROJECTS

Human activity Recognition Using Deep learning (Sign Language Detection using same)

Duration: 30 Days **Technologies: Python, Keras, TensorFlow**

Human activity recognition is one of the hardest tasks for general Machine Learning Algorithms thus I used Deep Learning Approach by using a mixed architecture of CNN and LSTM to process videos. Extract features and passed to a fully connected Neural Network for classification of actions.

Breast Cancer Detection using Neural Networks, Dimensionality reduction using auto-encoders

Duration: 45 Days **Technologies: Python, Keras, TensorFlow**

There are various types of Breast cancer. General methods of detection have its flaws. Tried using Artificial Neural Networks for better analysis of data and prediction of malignant ones. As the dimensions were huge in the dataset. Used autoencoder for dimensionality reduction and used these compact features.

PROJECTS

24 Hour Hackathon: **PROPRIETARY SOFTWARE FOR CARPOOLING**

Batch-Size: 3 **Technologies: Django, HTML, CSS**
Duration: 1 Day **My role: algorithm, content, and features**

As a part of this 24-hour Hackathon. A Proprietary Carpooling Management System for Amrita University. We followed the Extreme programming methodology. Worked on all the algorithmic and UX design of the system. We came across various graph problems upon which research is still going on.

Student Social Responsibilities: **THINKING THROUGH ARTS**

Batch-Size: 3 **Duration: (5+)2(+3) Day**

Gave a presentation/talk with more than 250+ students where we discussed how arts can keep us mentally stable in this rapid world. My primary focus is on Art of concentration, and Collaboration vs Competition.

Python: **ComputationPy**

Batch-Size: 3 **Technologies: Python, Unit-testing**
Duration: 4 Day **My role: Documentation and features**

A lightweight object-oriented package for state machines. Lead the whole team through the concepts like unit testing, documentation and built-in functionalities of python.

STARTED PROJECTS

- Knowledge sharing with a mutual gain on **Complete Python** Courses after college, for interested students.
- A Research Paper on a new approach to solving **LSTM, Residual Networks, and Flow vectors.**
- A Research Paper on a **copy-move forgery detection.**

SOCIAL ACTIVITIES

- Volunteered for **ICPC 2018 Asia Amritapuri Site** at Amrita Vishwa Vidyapeetham**.**
  27 and 30 December 2018
- Volunteered for **Sabarimala clean-up drive** Organized by Amritanadamayi Math**.**
  26 and 27 September 2016
- Volunteered for **AMRITAVARSHAM 63** at Amrita Vishwa Vidyapeetham**.**
  26 and 27 September 2016

COURSES (2019-2016)

- Emerging Technologies Workshop: Experimenting with REST APIs using Cisco Spark
- Introduction to Cisco Packet Tracer
- CCNA Routing and Switching: Routing and Switching Essentials
- CCNA Routing and Switching: Introduction to Networks

Participated in various **Coding Challenges** on Platforms **like Cisco Networking Academy, HackerRank & CodeChef**. Also Undertaken various Courses on **Machine Learning, Deep Learning, Data Science, Blockchain** on various online platforms like **Udemy & Coursera.**

SOCIAL MEDIA LINKS


https://www.hackerrank.com/nitheesh_me


https://github.com/nitheesh-me


www.linkedin.com/in/nitheesh-chandra-me/