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28 August, 2000



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## SKILLS

JS, HTML, CSS, NodeJS,  
ReactJS

Datastructures

C++, Java, Python

C, Unix System(OS)

TCP/IP

Socket

Data Mining

Deep Learning

Tensorflow, OpenCV,  
Pytorch,simpy

## LANGUAGES

English

Professional Working Proficiency

Telugu

Full Professional Proficiency

## AREAS OF INTERESTS

Computer Networks

Cryptography

Machine Learning

# Rithik Reddy

Btech Final year CSE NIT Warangal

I'm a final-year student at National Institute of Technology Warangal, pursuing B.Tech. in Computer Science Engineering. Being a technology enthusiast, I love to explore new technologies and leverage them to solve real-life problems. I'm driven by the will to create an impact and encourage diversity and inclusion in communities.

## EDUCATION

### B.Tech in Computer Science NIT Warangal

07/2017 - Present

GPA : 7.07

## WORK EXPERIENCE

### Undergraduate Thesis NIT Warangal

08/2020 - Present

FCVN(Fog-Enabled Connected Vehicular Network). Using the research paper as a base we added additional objectives to it, we will write a new research paper by making the complex optimizations efficient using **Reinforcement Learning**. There is no open-source library that is compatible with our scenario, so we made our **custom library** using simpy, make it open-source to develop.

### SDE Internship Johndeere India

05/2020 - 07/2021

Pune India

Developed an AI system that can detect the defective tires of a tractor employing machine learning (**3D-CNN**). Worked on TensorFlow, Developed to deploy the model on a website using **NodeJS**.

## PERSONAL PROJECTS

### Amazon Website Design (10/2020)

- Designed a website that is the same as an amazon shopping website whose features are dynamic in nature using ReactJS and Firebase.

### Adam Research paper Implementation (08/2019 - 01/2020)

- Implemented the Adam optimization algorithm from scratch in python as a part of data science course project.

### Smart Contracts (03/2019)

- Developed smart contracts for different applications such as election, auction, etc. as a part of the coursework of Smart Contracts by the University of Buffalo.

### Social Networking Project (10/2018 - 01/2019)

- Designed an efficient database system for Social Networking. Prepared an ER-Model and normalized the functional dependencies ,developed using oraclesql as a part of DBMS course project.

## POSITION OF RESPONSIBILITIES

### Computer Science and Engineering Association (08/2020 - 05/2021)

Additional Secretary

### BigData Analytics and Consulting Club (08/2020 - 05/2021)

Associate Analyst

### Class Representative for Open Elective Course (02/2020 - 05/2020)

Class Representative

## ACHIEVEMENTS

### Merit Scholarship (02/2015 - Present)

One among the top 750 Students in India to receive this scholarship since 2015 for getting qualified in **NTSE**.

### Competitive Coding (07/2020 - Present)

Achieved a 4star rating in **Codechef**.

### Campus Selection at OnePlus (09/2020)

Selected as a Software Development Engineer at **OnePlus**.

### JEE Mains Rank (03/2017)

Secured all India **2168 rank** by scoring 251 in **JEE Mains**.