



Rithik Reddy

Btech Final year CSE NIT Warangal

I'm a final-year student at the 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.

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EDUCATION

B.Tech in Computer Science NIT Warangal

07/2017 - Present

GPA : 7.18

PERSONAL PROJECTS

Amazon Clone (09/2020)

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

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.

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.

WORK EXPERIENCE

Undergraduate Thesis NIT Warangal

08/2020 - 05/2021

NIT Warangal, India

Considering a research paper on optimizing resource utilization in FCVN(Fog-Enabled Connected Vehicular Network) as a base we have added additional multiple objectives like energy to it and made the complex optimizations more efficient using **Reinforcement Learning**. A **research paper** that was written got published in an **International IEEE GUCON Conference**. Created our **custom library** using event simulation library **simpy** due to unavailability of a suitable library in python and **make it open-source** for further development.

Achievements/Tasks

- Research paper published in IEEE GUCON conference 2021

Contact: Ch.Sudhakar(Associate Professor), NIT Warangal. - 9440647945 email: chaparam@nitw.ac.in

SDE Internship Johndeere India

05/2020 - 07/2020

Pune, India

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

Product Management Internship Awign Enterprises India

02/2021 - 05/2021

Bangalore, India

Working on the various bugs and issues raised and added new features in the app and website such as search option features on different platforms.

SKILLS

Tensorflow, OpenCV, Pytorch, simple

JS, HTML, CSS, NodeJS, ReactJS

Datastructures

Socket

TCP/IP

C++, Java, Python

C, Unix System(OS)

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 stage-II 2015**.

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**.

POSITION OF RESPONSIBILITIES

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

Additional Secretary

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

Additional Secretary

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

Class Representative

LANGUAGES

English

Full Professional Proficiency

Telugu

Native or Bilingual Proficiency

AREAS OF INTERESTS

Deep Learning(online courses)

Machine Learning

Parallel Processing and Distributed Systems

Cryptography

Computer Networks