DETAILS

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Hyderabad, Telangana, India 500024

TARUN JAKKULA

STUDENT - CSE

CERTIFICATES

- **PAPER PRESENTATION IN 17TH INDIACOM (BVICAM IEEE CONFERENCE ID: 57626)**
- C CERTIFICATION - CISCO NETWORKING ACADEMY
- JAVA & PYTHON CERTIFICATION - UNSCHOOL
- ADVANCED CPP - SPOKEN TUTORIAL (IIT BOMBAY)
- JAVA - SPOKEN TUTORIAL (IIT BOMBAY)
- MACHINE LEARNING FOUNDATIONS - AWS ACADEMY
- DATABASE PROGRAMMING - ORACLE ACADEMY
- SOFTWARE ENGINEERING - SAYLOR ACADEMY
- **NCC B CERTIFICATION - 5T BATTALION NCC (EXTRA CIRCULAR)**

SKILLS

- PYTHON
- C, C++
- JAVA
- HTML, CSS
- JavaScript, React js
- MYSQL
- MONGO DB
- Full Stack - MERN
- Machine learning
- Data structures and algorithms

DESCRIPTION

A poised student entering the industry with unwavering commitment and leadership acumen. Committed to wholeheartedly contributing and learning. Leveraging a calm demeanour and strong dedication to make a meaningful impact.

Attributes:

- Leadership
- Diligence
- Composure

Aspirations: Dedicated to thriving in the industry by embracing challenges, learning continuously, and delivering exceptional results.

EDUCATION

- **Bachelor of Engineering - Computer Science & engineering**

  Maturi Venkata Subba Rao Engineering College - Hyderabad, Telangana, india

  2020 - Current

  - Member of GDSC MVSREC
  - Elected Lead for Web Dev in GDSC MVSREC
  - Rewarded Best Paper Presentation in IEEE conference
  - **Grade - 8.72 CGPA**

- **Intermediate - 12th**

  Kendriya Vidyalaya Picket - Hyderabad, Telangana, India

  2018 - 2020

  - **Grade - 93.4%**

- **SSC - 10th**

  Kendriya Vidyalaya Picket - Hyderabad, Telangana, India

  2017 - 2018

  - **Grade - 83%**

WORK EXPERIENCE

DRDO, Hyderabad
May 2023 -June 2023

Summer Intern

- Worked on QT cross-platform software
- Learnt about QT c++ and Qml
- Designed a basic calculator as miniproject
- Worked on building an aerospace path finder application using all the skills learnt as major project

LANGUAGES

- English
- Hindi
- Telugu

LINKS

- **PAPER:** https://ieeexplore.ieee.org/abstract/document/10112491
- **PROJECTS:** https://github.com/TarunJakkula/Projects.git

PROJECTS

CONDITION MONITORING OF BRAKE DISC IMAGES USING CONVOLUTIONAL NEURAL NETWORK:

- A multidisciplinary project done with the help of mechanical department .
- Initially a dataset of healthy and unhealthy brake disc images was collected, using the help of TensorFlow and OpenCV libraries in python we pre-processed the dataset
- Using 3 predefined models in TensorFlow (Mobilenet v2, Resnet & InceptionNet) we trained on the collected dataset
- Were able to predict whether the new given image was healthy or unhealthy.
- **A research paper was written & published as well for the project in IEEE.**

TSRTC BUS TRACKING : WEB APPLICATION USING MERN STACK

- A MERN stack web application which is based around the idea of crowd-sourcing.
- The idea is to ease the travel for local bus transport users.
- Web application which allows users to view the last updated bus location, update the location of the bus they boarded, and also report any emergency related to the bus.