

Tarun Jakkula

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📍 Hyderabad, Telangana, India 500024

🖱 <https://tarunjakkula.github.io/Portfolio/>

🌐 <https://github.com/TarunJakkula>

📄 PROFILE

I am a dedicated student with a robust academic foundation in CSE. I am actively seeking opportunities to apply my skills in Web Development and Machine Learning through internships or entry-level positions. My objective is to contribute to the industry while gaining valuable real-world experience.

🎓 EDUCATION

Bachelor of Engineering - Computer Science & engineering

Maturi Venkata Subba Rao Engineering College

May 2020 – present | Hyderabad, India

Grade - 8.84 CGPA

Intermediate - 12th

Kendriya Vidyalaya Picket

Apr 2019 – Mar 2020 | Hyderabad, India

Grade - 93.4%

SSC - 10th

Kendriya Vidyalaya Picket

Apr 2017 – Mar 2018 | Hyderabad, India

Grade - 83%

📜 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)

📁 PROJECTS

TSRTC Bus Tracking : Web Application

MERN Stack

Apr 2023 – Aug 2023

- Developed a MERN stack web application focused on crowd-sourcing for local bus transport users.
- Enabled users to view previously updated location of buses, update their bus's location, and report emergencies.
- Link to the project on GitHub [🔗](#)

Condition Monitoring of Brake Disc

Machine learning

Feb 2022 – Apr 2023

- Collaborated with the mechanical department on a multidisciplinary project.
- Collected and pre-processed a dataset of healthy and unhealthy brake disc images using TensorFlow and OpenCV.
- Trained machine learning models (Mobilenet v2, Resnet, InceptionNet) on the dataset to predict brake disc health.
- Authored and published a research paper for this project in IEEE. [🔗](#)

🏢 PROFESSIONAL EXPERIENCE

GDSC MVSREC

Web Development Lead

Aug 2023 – present | Hyderabad, India

- Currently spearheading web development initiatives within GDSC MVSREC.
- Awaiting opportunities to contribute and make an impact in the role.

DRDO, Hyderabad

Summer Intern

May 2023 – Jun 2023 | Hyderabad, India

- Worked on QT cross-platform software.
- Gained proficiency in QT C++ and Qml.
- Designed and implemented a basic calculator as a mini-project.
- Developed an aerospace pathfinder application as a major project, applying a range of acquired skills.

🧠 SKILLS

Programming Languages:

Python, Java, C, C++

Web Development:

JavaScript, React.js, HTML, CSS

Databases:

MongoDB, MySQL

Full Stack:

MERN Stack

Machine Learning:

TensorFlow, OpenCV

Data Structures and Algorithms