

TEJADHITH S



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EDUCATION

PROGRAM	INSTITUTION/BOARD	CGPA/%	YEAR
BTech in Electrical Engineering	Indian Institute of Technology Hyderabad	8.19/10	2021 – 2025
AISSCE (XII)	Central Board of Secondary Education	95.8%	2020 – 2021
AISSE (X)	Central Board of Secondary Education	94.4%	2018 – 2019

ACHIEVEMENTS

- Secured **All India Rank 4201** in **JEE Advanced** out of 150,000 shortlisted candidates
- Secured **Rank 468** in **TNEA** out of more than 130,000 candidates
- Awardee of **Tamil Nadu Scholarship** for IIT students of amount **₹200,000**

EXPERIENCE

Lending Katalyst

Spring 2023

Machine Learning Intern

Remote, Part Time

- Developed a rule-based solution for **Property ID Matching** with ~99% accuracy and **Measurement Matching** with ~95% accuracy on the text data extracted from the property deeds.
- Researched on **Address Matching** and performed data analysis on the text data.

PROJECTS

Computational Devices for AI | Guide: Prof. Shubhadeep Bhattacharjee

- Simulating an Integrated Device-to-Algorithm Framework for Benchmarking Synaptic Devices and Array Architectures
- MLP and DNN(VGG-8) on Neuro-Inspired Architectures

Facial Recognition | OpenCV, PyTorch, Streamlit

- Developed a streamlit application for attendance marking using face identity verification
- Employed a CNN-based, siamese neural network trained on augmented data from Olivetti dataset

Img2LaTeX | OpenCV, PyTorch

- Conversion of handwritten mathematical equations to LaTeX equations
- Performed perspective correction, content extraction, character segmentation, character identification, structural analysis

TECHNICAL SKILLS

- Programming Languages:** Python, C/C++, Julia, MATLAB, HTML/CSS
- Libraries:** NumPy, Pandas, Matplotlib, Scikit-Learn, OpenCV, PyTorch
- Operating Systems:** macOS, Linux, Windows, RasPiOS
- Tools:** LaTeX, Git, Postman API, Autodesk Fusion 360, MicroControllers, ROS, Canva, Mathematica

RELEVANT COURSEWORK

- Intro to Programming, Artificial Intelligence, Signals and Systems, Control Systems, Digital Signal Processing
- Mathematics:** Calculus, Complex Variables, Differential Equations, Vector Calculus, Probability and Random Processes, Matrix Theory
- Electrical & Electronics:** Circuits and Network Analysis, Digital systems, Device Fundamentals, Analog Electronics, Electrical Machines

LEADERSHIP / EXTRACURRICULAR

- Overall Head, Epoch (The AI-ML & Data Science Club) Spring 2023 - Present
 - Leading a team of 40 members to organize community sessions, workshops, and hackathons, and working on community-driven projects.
- Internship Cell Coordinator, Office of Carrier Services Spring 2023 - Present
- Core, Robotix (The Robotics & Automation Club) Spring 2022 - Spring 2023
- Member at **NSS** (National Service Scheme)
- NCC** (National Cadet Corps) 'A' Certificate holder with **A** grade