

Pusthakala Dharan Tej

Hyderabad, Telangana, India

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EXPERIENCE

Defense Research & Development Organization (DRDO), Research Center Imarat (RCI), India

• **Software Engineer Intern**

May'23 – Present

Application Development using Altair Embed 2023, LDRA Static and Dynamic Code Analysis, MISRA Standards, Embedded C, Xilinx SDK, C++, C, ZynqSoC Testing

TEKsystems Global Services

• **Data Engineering – Data Insights Intern**

Feb'23 – May'23

Training and Optimizing Machine Learning Models on GCP for Natalty Dataset

(Data Prep, Big Query Analysis, VPC Networks, GCS, Data Proc, Big Query ML, Looker, Tableau)

EDUCATION

Keshav Memorial Institute of Technology, (JNTUH) Hyderabad.

Bachelor of Technology (B.Tech.)

Computer Science and Engineering – 2019-2023

GPA: 8/10

Nano Junior College, Hyderabad.

Intermediate – (TSBIE), MPC – 2017-2019

Percentage: 94.4%

Masters Grammar High School, Hyderabad.

SSC (Telangana Board of Secondary Education) – 2003-2017

CGPA: 9.8/10

SKILLS

Languages: Python, C, C++, Java

Tools/Framework: NumPy, Pandas, GitHub

General: GCP, AWS, Data Structures, Algorithms, OOP, Machine Learning, IOT, Automation, Linux

PROJECTS

[Low Light Image Enhancement](#) - Developed a Convolutional Neural Network system for enhancing low-light images, improving object detection and scene understanding, while preserving original image content.

[Water Quality Analysis using ANN](#) - This Flask application is designed to Accurately Predict the Potability of the given sample of water with 98% accuracy with the help of Deep Learning Model (Artificial Neural Networks).

[Crop Prediction using Machine Learning](#) - Provides information to cultivate the best food crop based on Soil type, Temperature, Humidity and Rainfall in that area.

Pi-NAS - A Raspberry Pi based Network Attached Storage which makes wireless file transfers easier across your home network using OMV (Open Media Vault based on Debian Linux).

COURSES

[The Joy of Computing using Python, NPTEL](#)

[Deep Learning, NPTEL](#)

[Data Science for Engineers, NPTEL](#)

[Social Networks, NPTEL](#)

EXTRA CURRICULARS

Achieved a perfect score (30/30) in the Australian National Chemistry Quiz (ANCQ) conducted by the Royal Australian Chemical Institute (RACI) in 2016, earning a Certificate of Class Excellence and ranking within the top 50 students across India.

Additionally, secured a high percentile score of 96% in a National Level E-Quiz on Chemistry, organized by the Department of Physical Sciences, Kakatiya Institute of Technology and Science, Warangal in June 2020.

Operate personal YouTube channels, serve as a Video Editing Head for KMIT's Drama Club 'Abhinaya', contributed to the 'Traces of Lenses' Photography Club, and write content as a Blogger, with work displayed on official YouTube channels.

[Delta Edusmith](#) (1.43K Subscribers)

[Delta Gamesmith](#)

[Abhinaya The Drama Club](#)