

# T Dhanunjay

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## Career Objective

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Enthusiastic and attentive fresher with a strong foundation in Python programming and a keen interest in software development, data science, and artificial intelligence. Eager to apply my problem-solving skills and technical knowledge to develop innovative solutions. Passionate about learning new technologies and contributing to a dynamic team to drive efficiency and innovation.

## Academic Qualifications

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### 2021 – 2025 | Bachelor of Technology in Computer Science and Engineering

Narasimha Reddy Engineering College, Hyderabad.

GPA: 7.75/10

### 2019 – 2021 | Telangana State Board of Intermediate Education in MPC

Sri Velagapudi Rama Krishna Memorial College, Guntur.

Marks: 809/1000

### 2018 – 2019 | Telangana State Board of Secondary Education,

Panchasheela High School, Hyderabad.

GPA: 8.8/10

## Technical Proficiency

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|--------------------------------|--------------------------------------|
| • <b>Programming Languages</b> | : Basic C, Core Python               |
| • <b>Web Technologies</b>      | : HTML, CSS, Basic JavaScript        |
| • <b>DBMS</b>                  | : MySQL                              |
| • <b>IDEs</b>                  | : Jupyter, Pycharm, VS code          |
| • <b>Others</b>                | : Data Structures, Algorithms & SDLC |
| • <b>Tools</b>                 | : Microsoft Word, Excel, PowerPoint  |

## Projects

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### AI-Based Epidemic Detection from X-Rays

- Developed an AI-based deep learning model using VGG16 to classify chest X-ray images into four categories: COVID-19, pneumonia, pulmonary tuberculosis, and normal lung.
- Trained the model on a dataset of 12,000 X-ray images, achieving an accuracy of 85% with high specificity and sensitivity.
- Implemented a cost-effective and efficient medical diagnosis system leveraging Python and deep learning to assist in rapid disease detection.

### Edge-Assisted Crime Prediction Framework

- Designed a crime prediction framework using Machine Learning, achieving 81% accuracy with Decision Trees.
- Visualized crime patterns across regions for four crime types, enhancing public safety insights.
- Utilized edge computing to predict criminal risks based on historical and demographic data.

## Internship

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### October – 2024 | Datapoint Info Solutions

- Designed and implemented an Edge-Assisted Crime Prediction Framework using Python and Machine Learning.
- Gained practical experience in data analysis, algorithm optimization, and edge computing.
- Successfully met project deadlines with commendable performance and original contributions.

## Certifications

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|-----------------------------------|--|
| • <b>Cisco Networking Academy</b> | : Python Programming Essentials                  |
| • <b>Cisco Networking Academy</b> | : Data Analytics Essentials                      |
| • <b>Udemy Course</b>             | : HTML5 & CSS3 complete course                   |
| • <b>Udemy Course</b>             | : Basic JavaScript                               |
| • <b>TCS iON</b>                  | : TCS ION Career Edge –Young Professional course |