

# Boddu Tej

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## Education

<b>Narayana High school</b> –SSC CGPA: 10.0/10.0	Hyderabad, Telangana 2020
<b>Narayana junior college</b> –Intermediate Percentage:72.6%	Hyderabad, Telangana 2020-2022
<b>Anurag University</b> –B. Tech in Artificial Intelligence Current CGPA: 7.19/10.0	Hyderabad, Telangana 2022-2026

## Relevant Projects

### Project: Pneumonia Detection from Chest X-Rays using CNN

[Link](#)

- Designed and deployed an ensemble deep learning model (ConvNeXt-Tiny + EfficientNetV2-S) in PyTorch, achieving 90% accuracy for pneumonia detection across bacterial, viral, and normal cases.
- Integrated explainable AI (Grad-CAM heatmaps) to provide transparent visualization of model decisions, enabling medical interpretability.
- Optimized model inference pipeline for real-time predictions (<5s latency) in production, ensuring scalability and reliability.

### Project: Online Voting System Development

[Github](#)

- Developing an online voting system using the MEAN stack to facilitate secure and user-friendly voting.
- Designed and implemented backend APIs with Node.js and Express.js, and built the frontend with Angular for an intuitive interface.
- Integrated MongoDB for secure data storage and implemented features like user authentication, admin panel for election management, and encrypted vote submission.

## Skills

**Programming Languages:**Java, Python, C

**Deep Learning/Machine Learning:** TensorFlow, EfficientNetV2, ConvNeXt, Grad-CAM

**Database:** MongoDB, SQL, MySQL Workbench

**Web Development:** HTML, CSS, Java Script, Angular, React.js, Node.js, Express.js

**Cloud&Deployment:** Microsoft Azure, Docker , GitHub Student Developer Pack

## Certifications

- Infosys Spring Board–**Java, Data Structures and Algorithms**
- Introduction to Generative AI – **Google**
- LinkedIn–**Java for Beginners**
- PCAP: **Programming Essentials in Python**
- Java Course – **Scaler**

## Extra Curriculars

- Participated in State Level hackathon by Student Developer's Community.
- Participated in NSS camp organized by the NSS club in University.
- Solved 100+ problems on leetcode.