

NAGIRE PRATHYUSHA

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Professional Summary

Self-motivated Computer Science (Data Science) undergraduate with a strong foundation in Java and web development. Experienced in IoT-based hardware systems using Arduino and passionate about building user-centric applications. Seeking to apply my coding skills and creativity to real-world software development challenges.

Education

B.Tech in Computer Science and Engineering (Data Science)

G. Pullaiah College of Engineering and Technology – JNTUA

CGPA: 8.7/10

Expected: 2026

Minor in Electronics and Communication Engineering

(Ongoing alongside B.Tech CSE)

Intermediate (MPC)

Narayana Junior College, Kurnool

CGPA: 8.9/10

2022

Secondary School Certificate (SSC)

St. Mary's High School, Kurnool

CGPA: 8.8/10

2020

Technical Skills

Languages: Java, Python (Basics), JavaScript (Basics), SQL

Web Technologies: HTML, CSS

Languages Known: English, Telugu, Hindi

Projects

Smart Door Lock System

2024

Developed a secure IoT-based door lock system using Arduino/NodeMCU, RFID module, keypad, and sensors. Implemented dual access (RFID/passcode) and buzzer alerts for unauthorized attempts, improving household security.

Object Detection System Using Hugging Face

object detection project using Hugging Face Transformers and the DETR (Detection Transformer) model. Implemented a Python pipeline to load the pretrained model, process images, and detect multiple objects with bounding boxes and confidence scores. Integrated image preprocessing, inference, and visualization using PyTorch, Pillow, and Matplotlib. Optimized performance by experimenting with threshold tuning and model variants. The project demonstrates practical skills in computer vision, transformer-based architectures, and modern ML frameworks.

Internships

Intern – CodetechIT Solutions

2024

Gained exposure to basic development concepts. Assisted in HTML/CSS layout design and Java-based functionality under supervision.

Certifications

- Java Programming – CodeTantra
- R Basics – edX
- Fundamentals of Deep Learning – NVIDIA
- English Language Practice – British Council

2024

Co-curricular Activities

- Participated in Smart India Hackathon – College Level
- Competed in technical quizzes and coding events