

ATI SHREE JAISWAL

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Education

Malla Reddy Engineering College

Bachelor of Technology in Computer Science (Internet of things)

09/2022 - 2026

Percentage: 88.7

Villa Marie Junior College, Hyderabad

Telangana State Board of Intermediate Education

06/2020 - 06/2022

Percentage: 96.3

St Alphonsa's High School, Hyderabad

SSC

06/2020

Percentage: 95

Experience

Turtil

05/2025-06/2025

Ai & ML intern

- Designed and developed an AI-powered microservice to detect toxic, abusive, or inappropriate text using Python and machine learning.
- Built and deployed the service using FastAPI, configured threshold-based moderation, and containerized the project with Docker.

Skilltimate Technologies

05/2023

Junior developer

- Learned and applied HTML, CSS, and JavaScript to develop responsive and engaging front-end websites.
- Gained practical experience in web development, focusing on building interactive and user-friendly web applications.

Projects

Toxicity & Abuse Detection Microservice / Python · FastAPI · Docker · TF-IDF · REST API · Swagger UI.

05/2025

- Developed an offline **AI microservice** to classify text as toxic, abusive, or safe using a trained **multi-label Logistic Regression model**.
- Cleaned and sampled 25,000 records from the **Jigsaw dataset** and used **TF-IDF vectorization** for feature extraction.
- Built **RESTful API** endpoints using **FastAPI** and implemented threshold-based decision logic.
- **Dockerized** the application for deployment and tested it **via Swagger UI** with structured JSON outputs and edge-case test inputs.

Artificial Intelligence and Crime Analysis / Python, MySQL.

03/2025

- Developed a typology to classify malicious use and abuse of AI in cybercrime, including social engineering, misinformation, hacking, and integrity attacks.
- Implemented **Machine Learning algorithms** for data classification and anomaly detection, leveraging **Supervised Learning** techniques for identifying AI-driven threats.
- Utilized **Natural Language Processing (NLP)** to analyze misinformation and fake news propagation.
- Built the system using **Python and Django**, with **MySQL** as the database for storing analyzed data.

Skills

Languages: HTML, CSS, JavaScript, Java, Basics of Python

Technologies/Databases: Node, MySQL, Docker

Libraries: React JS, Express JS

Technical courses: IOT, DBMS, Computer networks, Operating system, Data Structures

Position of Responsibility

Executive Member – IoT essence Community

Executive team

- Provided mentorship and technical guidance to students, helping them develop and implement IoT-based solutions.
- Led event planning initiatives, working closely with faculty, peers, and community partners to organize workshops and activities that enhanced IoT awareness and engagement.

Achievements

- Certified in **Data Structures and Algorithms using Java** and **Introduction to Internet of things** through NPTEL
- Won 1st place in the IoT Hands-on Workshop at our college for creating a functional Smart Parking system using IoT technology.

- Led a team in the inter-college technical expo “VISHESH”(2023) and secured 3rd position for an innovative technical project “SMART BRIDGE"
- Selected for Pragati Path to Future Cohort 4 of Infosys Springboard , a prestigious program for skill enhancement and career development

Certifications

- **Introduction to Internet of Things** by NPTEL
- **Data Structures and Algorithms using Java** by NPTEL
- **Introduction to Cloud Computing** by Infosys Spring Board
- **Basics of Python** by Infosys Spring Board

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