

# Jeffrin Wilfred

• 6374967957 — • jeffrin.22bec7035@vitapstudent.ac.in — • jeffrin172004 — • jeffrin-wilfred — • HDLBits

## Objective

Apply my knowledge in various technologies and algorithms to contribute to innovative projects in a dynamic organization while gaining hands-on experience in real-world applications.

## Skills

- **Languages:** Java, Python, Javascript, R, Arduino C++
- **Tools & Technologies:** AWS cloud, Git, Google Colab, Matlab, matplotlib
- **Soft skills:** Communication, Marketing, Team management, Leadership

## Education

### VIT-AP University, Amaravati, Andhra Pradesh

Sept 2022 – July 2026

B.Tech in Electronics and Communication Engineering – CGPA: 8.78

- Coursework: Data Structures, Object-Oriented Programming, Foundation for Data Analytics

### Trinity Central School

2014 – 2022

Senior Secondary (12th Grade) – Percentage: 91.4%

Secondary (10th Grade) – Percentage: 90.6%

## Work Experience

### AI/ML Intern at Canvendor Software Solutions

May 20, 2025 – June 20, 2025

- Worked on catalog image and data mapper, linking product visuals with structured metadata.
- Built a function to convert and correct improperly formatted markdown generated by LLMs.
- Gained exposure to model training, API integration, and ETL.

## Projects

### Email Clustering System

June 2025 – Present

- Building a full-stack app using Flask and React to fetch, cluster, and summarize emails using NLP, integrated Gmail/Outlook OAuth and deployed with Docker.

### Weapon Detection & Alert System using Faster R-CNN + Twilio

May 2025 – June 2025

- Trained Faster R-CNN with ResNet-50 + FPN backbone on custom 3-class weapon dataset.
- Integrated Twilio API to send real-time SMS alerts on weapon detection.

### Object Detection with Grounding DINO (Prompt-based)

April 2025 – May 2025

- Developed prompt-based detection system with Grounding DINO using webcam feed.
- Supported dynamic prompts for real-time object localization.

## Certifications

- OCI Generative AI
- Data Science with Python
- JavaScript Essentials
- Basics of Python

## Clubs & Volunteering

### IETE Student Chapter Project Team Member

Aug 2024 – Present

- Conducted "Sensor Synergy" bootcamp to educate peers about electronics and sensors.
- Organized workshop on Verilog using HDLBits.