

# Anselm Sherwin W

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## Education

### Vellore Institute of Technology

Chennai

*Integrated Master of Technology in Software Engineering (CGPA: 8.19 / 10)*

- **Relevant Coursework:** Operating System, Data Structures and Algorithms (Java, C++), Design Patterns, Software Testing, Artificial Intelligence, Soft Computing, Human Computer Interaction.
- **Other Activities:**  
Successfully organized and oversaw several technical events, including a Hack-a-Thon and sessions like 'Build your own ChatGPT' and Drone Designing, demonstrating event planning and coordination skills

## Experience

### IEEE WIE Club VITCC

May 2021 – Jun 2022

*Technical Team Member*

Chennai

- Developed and organized interactive challenges, quizzes, and events for the club, focusing on modern technologies. Collaborated with the team to improve members' technical skills and foster a vibrant tech community through teamwork and knowledge sharing.

## Projects

### LLM based Chatbot on Monitoring Student Wellbeing | Python(ML, NLP) | Ongoing

- Developing an NLP-based chatbot to monitor student wellbeing in real-time, leveraging LLM technologies for tailored support and intervention.
- Collaborating with mental health experts to ensure the chatbot's effectiveness in providing personalized assistance and fostering a supportive environment.
- Expected Impact:
  - \* Anticipated improvement in student mental health outcomes, with early intervention and personalized support leading to reduced stress levels and enhanced academic performance.

### Detecting Eye of the Cyclone using YOLO | Python (OpenCV, TensorFlow)

- Enhanced early warning systems for natural disasters by developing a cyclone eye detection system with an 80% accuracy rate.
- Addressed data scarcity issues by leveraging transfer learning techniques, augmenting the dataset with synthetic data generation methods.

### IoT Food Monitoring Application | Python(ML), Java (Android)

- Developed a Smart Lunch Box prototype, integrating Azure IoT Hub and ESP8266, for real-time monitoring. And developed a user-friendly mobile app to alert users about food freshness, preventing spoilage.
- Implemented machine learning algorithms to predict food freshness accurately, overcoming challenges related to data variability and environmental factors.

## Skills

### Technical Skills:

- Programming Languages: Java (Advanced), Python (Advanced), C++ (Intermediate), Ruby (Intermediate)
- Concepts: Software Development Life Cycle (SDLC), Software Testing, Machine Learning, Neural Networks, Cloud Computing (Azure, Google Cloud), Version Control, Database Management.

**Soft Skills:** Adaptability, Problem Solving, Team Management, Time management, Communication, Coordination.

## Certificates

**Azure Administrator AZ-104:** Proficiently managing **Azure** cloud environments to streamline operations and enhance productivity.

**Architecting with Google Compute Engine:** Acquired comprehensive proficiency in managing and optimizing **Google Cloud** infrastructure through completion of Coursera certification.

**Google Cybersecurity:** Achieved proficiency in Python, Linux, SQL, SIEM tools, IDS, and cybersecurity risk mitigation.