Neil Anthony
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GitHub: https://github.com/neil24-c

Career Objective

Passionate and driven Computer Science and Engineering student from VTU with hands-on project experience in IoT, AI, and Computer Vision. Eager to apply practical knowledge in real-world challenges.

Education

B.E. in Computer Science and Engineering
Cambridge Institute of Technology, Bengaluru
Apr 2026 (Expected) | **CGPA**: 6.2 (VTU Scheme)

Pre-University – PCMB
St. Joseph's PU College, Bengaluru
May 2022

Technical Skills

- Programming: Python, C, HTML
- Tools & Libraries: OpenCV, TensorFlow, YOLOv5, LabelImg, NumPy, Arduino IDE, MySQL
- Hardware: Raspberry Pi, ESP32, Sensors (PIR, DHT11, Gas)
- Others: Git, PowerPoint, Public Speaking, Event Management

Projects

1. Smart Doorbell System using IoT
Built a smart doorbell using Raspberry Pi and ESP32-CAM to capture real-time images and notify users remotely via Wi-Fi. Integrated Python scripts to manage sensor input and camera feed.
Tech: Python, Arduino IDE, ESP32, Wi-Fi, Raspberry Pi

2. YOLOv5 Affine Detection System
Developed an advanced object detection system using YOLOv5 with affine transformation.
Enabled rotation, scaling, and distortion handling in object tracking for smart surveillance and
IoT edge deployment.
Tech: Python, YOLOv5, OpenCV, TensorFlow, LabelImg

3. Student Database Management System using Flask
Created a MySQL-based DBMS for managing student, faculty, and course data. Supported user
authentication, CRUD operations, and relational queries for seamless college data tracking.
Tech: MySQL, SQL, DBMS concepts

Internship Experience

Data Analyst Intern
Archdiocese Communication Centre, Bengaluru
Jun 2023 – Nov 2023
- Built and maintained data logs for all service users. - Extracted and analyzed community usage
patterns.

Center Trainer (Volunteer)
U&I NGO, Bengaluru
Aug 2024 – Present
- Mentored underprivileged children in life skills and spoken English. - Led large sessions to
improve community outreach.

Certifications & Achievements

- **IIT Bombay E-Summit 2023** – 3rd best technological approach (Dizo Watches)
- **Ideathon 2023** – 2nd Best Young Entrepreneur Award
- **TEDxCIT Event Manager**, Bengaluru
- Winner – **Modern United Nations (MUN) 2022**
- Hackathon participant and winner in multiple intercollegiate events
- State representation in Football, Athletics, and Basketball

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Leadership & Activities

- Captain, College Football Team
- Student Council Member & Cultural Head (2021)
- NCC Cadet (2021–2022)
- Organized State-Level Football Tournament with 1000+ participants