# Shawn Gigo George

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## About

B.Tech in Artificial Intelligence and Data Science with hands-on experience in machine learning and deep learning. Experienced in utilizing the latest technologies such as CNNs and LLMs to address real-world problems. Proficient in problem-solving and collaboration, with established track record of delivering end-to-end, real-world AI projects. Currently looking for opportunities to apply data-driven thinking in advanced AI solutions.

## Projects

**Medical Box with Heart Disease Prediction**

- Built an IoT-based medication management system with Arduino, wifi module to provide reminders to a smartphone. Integrated a heartbeat sensor to track real-time heart rate. Applied a logistic regression model on the data collected to forecast abnormal heart conditions. Improved user safety and health monitoring.
- Tools Used: arduino ide, Node.js, Firebase, Python, logistic regression

**Nutrition Diet Guide with Smart Recipe Recommendation**

- Developed and created a web application that generates customized recipes from existing ingredients and allergies. Incorporated OpenCV to detect ingredients using image recognition and utilized Roboflow for image segmentation and trained on a Convolutional Neural Network (CNN) model. Incorporated allergy filtering to remove dangerous ingredients. Leverage a Large Language Model (LLM) for smart recipe generation and diet recommendation based on nutritional requirements.
- Tool Used: Node.js, firebase, LLM, CNN,Roboflow , OpenCV

## Skills

**Programming Languages:** Python, C, R, SQL
**Specialized Area:** Artificial Intelligence, Data Science, Machine Learning, Data Analytics, Data Visualization, Computer Vision, Deep Learning
**Other Tools & Technologies:** Jupyter Notebook, RStudio, VSCode, Tableau, Google Colab, Git, Github, Roboflow, Blender, Unity, RESTapi

## Achievments

- First Runner up in state level hackathon                                                    2024
- Participated in the global hackathon, NASA Space Apps Challenge                             2024

## Internship

- Completed Internship at VERZE pvt. ltd. Based on the topic Machine Learning with python.        2022
- Completed internship at Verdant IT solutions on the subject artificial intelligence and machine learning. Through the use of different machine learning techniques and also acquired insight in learning methods.        2023
- 3 months internship as 3D generalist at Evobi Automations Pvt Ltd, I learned by doing Blender and gained significant skills in 3D modeling, animation, and rendering. Additionally, I collaborated with a team of interns, enhancing teamwork, communication skills. I also gained experience in the company's workflow, learning the concept-to-client presentation end-to-end process.        2025

## Education

**St.Joseph's College of Engineering and Technology,Kottayam(APJ KTU)**        2021– 2025
Bachelor of Technology in Artificial Intelligence and Data Science

- CGPA: 6.59/10