SHANDON SAMUEL S

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Github : ShandonSamuelS | In : Shandon Samuel S

Portfolio: https://github.com/ShandonSamuel/Shandon-Samuel-Portfolio/Portfolio.html

Enthusiastic individual with a strong ability to drive organizational growth by combining technical expertise in Python, JavaScript, C, SQL, and IoT with excellent communication skills, ready to tackle complex coding challenges and contribute to innovative tech solutions. Interested in Data Engineering, Prompt Engineering, Machine Learning, Web Development and AIOT.

EDUCATION

BACHELOR OF TECHNOLOGY IN ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

KCG College of Technology

APRIL 2025

- Relevant coursework: Artificial Intelligence, Machine Learning, Data Science and Analytics, Database Design and Management, Data Exploration and Visualization and Computer Networks
- CGPA scored until 7th Semester - 8.0

SKILLS

- Python
- HTML, CSS
- SQL
- JavaScript
- C Language Basics
- R Language

AWARDS AND ACHIEVEMENTS

- BEST SUSTAINABLE PROJECT DEVELOPER AWARD 2025 : Awarded by KCG College
- BEST PROJECT AWARD SHRISTI 2025: Winner
- I-DAPT HUB PITCH IIT VARANASI 2022: Second Runner-up.
- IET SMART CITY CHALLENGE 2022: Runner-up.
- QUEST GLOBAL 2023: Top 10 out of 1018 teams across India.
- MISTRAL HACKFEST 2023: Top 20 across India.
- PALS INNOVAH 2024: Top 5 across south India.
- TECHNICAL INFUSION CHALLENGE LA TROBE 2024: Granted 500 AUD.

TECHNICAL CERTIFICATIONS

- Intern at RETECH solutions – Machine learning and Python. (Nov 2023)
- Data Science certification at Acmegrade LMS PlayAblo (Jan 2023)
- NPTEL certified for Python for Data Science. (July 2023)
- INFOSYS Springboard –Introduction to Artificial Intelligence. (Nov 2022)

- NVIDIA – Fundamentals of Deep Learning. (Sep 2022)
- Certification in C Language from Great Learning (May 2023)
- Programming Fundamentals using Python - Part 1(Feb 2022)

PROJECTS

SMART NICU FOR NEONATES | USING YOLOV8 POSE DETECTION AND ANALYSIS OF BABY VITALS:

In this project, we utilized a bespoke pose detection model to determine the neonate's posture. The model continuously records the neonate's vital signs and generates a comprehensive report on the neonate based on our machine learning model's analysis.

SMART HOME AUTOMATION SYSTEM | USING IMAGE SEGMENTATION:

In this project, we used our own product to gather data on the power use of the business sector. In order to use our AIoT system to operate the HVAC equipment in that area of the commercial sector, we developed a bespoke model to monitor activities in that sector.

AUTOMATED MOBILE ROBOTIC ARM:

In order to obtain information about the environment surrounding our product, we employed a variety of sensors and mapping techniques in this project. Our model moved around the workstation, picking up and placing packaged items, and moving them to their proper locations. lowering the possibility of human mistake and contact

SUSTAINABLE ENERGY HARVESTING:

Here, we developed an Internet of Things system that utilizes piezoelectric plates to generate electricity from vibration energy with solar energy as an add on, promoting sustainable energy.

SMART PLASTIC MANAGEMENT SYSTEM:

A smart management system to collect and segregate different types of plastics in the environment, monitoring and analysis through user friendly web page.