

Joyal Kenus

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WORK EXPERIENCE

Up and Away Aviation Detailing

Aircraft Cleaner

Sept. 2023 – Present

Gatwick Airport, London

- **Detail Oriented:** Ensuring utmost cleanliness and Following all safety standards.
- **Time Management:** Working under strict time slots which improved my time management skills
- **Team Work:** Working as part of a team to achieve common goals.

Dreams Care Agency

Health Care Assistant

Mar,2022 – Mar 2023

Preston, Lancashire

- **Provide Care and Support:** Showcasing empathy and interpersonal skills.
- **Multi-Tasking:** Managing multiple tasks efficiently under pressure.
- **Adapting Various Scenarios:** Adapting to various situations and patient needs, demonstrating flexibility.

PROJECTS

• Semi-Autonomous Face Orientation Controlled Wheelchair Driving System:

(Computer vision and Robotics)

- Developed a Facial orientation recognition system and tested it on an Arduino robotic car in real time.
- Implemented an obstacle avoidance system using Arduino-controlled ultrasonic sensors.
- Developed a WeBots simulation for a robotic car to confirm precision of the facial orientation-based driving system.

• Bionic Hand for Handicapped to Ride a Motorbike:

- Engineered a prototype for a bionic hand enabling disabled individuals to control motorbike acceleration.
- Designed the bionic hand to detect bicep rotations, linking these to the bike's acceleration.

• Warehouse Management System Using 4 DOF Robotic Arms:

Devised a Warehouse Management System using 4 DOF robotic arms for optimized storage handling.

- Led a team of four to achieve the prototyping and the design of the system on time.
- Constructed a mini prototype, refining algorithms for improved efficiency and added a record-and-play function for operator training.

EDUCATION

University of Central Lancashire

Msc, Mechatronics and Intelligent Machines

Jan-2022 - July 2022

Preston, Lancashire

- Graduated with Distinction, 4.0 GPA

Nehru Institute of Engineering and Technology

BE, Mechatronics Engineering

Jan-2022 - July 2022

Coimbatore, Tamil Nadu, India

- Graduated with First Class Degree.

SKILLS

Programming Languages: Python, R, Javascript, C++, SQL, Java

Technologies and Tools: Arduino, MATLAB, SQL, Tableau, PowerBi, OpenCV

Data Analysis and AI : Google Data Analytics (Coursera), Deep learning with Tensorflow and pytorch.

Design and Simulation: 3D Modeling, CAD Designing, Simulation Cost Estimation

Robotics: Control Systems, Robotic Arms Programming, Path Planning.