ACKYSHMA FLEUR FERNANDES

ELECTRONICS AND TELECOMMUNICATION ENGINEERING
MINOR DEGREE IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING

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EDUCATION

2021-Present	**Don Bosco College of Engineering, Goa** **CGPA: 8.63**	B. E in ETC
2019-2021	**Shree Damodar Higher Secondary School of Science** **HSSC Percentage: 76.33%**	Higher Secondary
2009-2019	**Fatima Convent High School** **SSC Percentage: 85.33%**	High School

SKILLS & SOFTWARE

- Software: **Visual Studio, R Studio, Kotlin Playground, Google Colab, MATLAB, Xilinx, Proteus 8, Eagle, Cisco Packet Tracer**
- Hardware Descriptive Language: **Verilog**
- Programming: **Python, C, C++, R Programming, Kotlin**
- Web Development: **HTML, CSS, JavaScript, PHP, JSON, React, Reactstrap**
- Microcontroller Platforms: **Arduino UNO**

MAJOR PROJECT

AI ARMED ROBOT
Currently developing an AI Armed Robot designed to precisely pick and place electronic components onto Printed Circuit Boards (PCBs). This project combines advanced concepts in Robotics, Machine Learning, and Image Processing to achieve high accuracy and efficiency.

PROJECTS

Design of Integrated Management System (IMS) Website and Organizational Chart Structure (Internship Project- IFB Industries Ltd.)
Created an IMS website that included webpages namely IMS Home Page, Quality Management Page, Top Management Page and an Organizational Chart that depicted the Name, Designation and the Department Name of the Employees.

Sound Reactive LEDs Circuit on PCB
Built a Sound Reactive LED Circuit that caused the LEDs to light up based on the rhythm of music on a PCB (Printed Circuit Board).

Fastest Finger First Circuit using 555 IC for Quizzes
Created a Fastest Finger First Circuit to track the first person to press the trigger button using 555 ICs.

Fingerprint Door Lock Sensor
Developed a smart door lock system using Arduino UNO that uses biometric fingerprint scanning for access control, ensuring enhanced security and convenience.

Yagi Uda Antenna
Developed a Yagi Uda Antenna.

INTERNSHIPS

IFB INDUSTRIES LTD.   **Intern**
Quality and IIOT Dept.   July 2024 – Aug 2024

Google Artificial Intelligence and Machine Learning   **Virtual Internship**
India Edu Program and Google for Developers   April 2024 - July 2024

Cybersecurity Fundamentals   **Virtual Internship**
India Edu Program and Zscaler Academy   Dec 2023 - March 2024

COURSES & CERTIFICATIONS

MINOR DEGREE IN ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING
Subjects: Artificial and Machine Learning Algorithms, Data Science and Analytics, Neural Networks and Deep Learning

NPTEL
Privacy and Security in Online Social Media

NPTEL
Soft Skills

PAPER PRSESENTATION

First Place in IEEE Paper Quest Research Paper Competition (Robotics & Control Systems)
IEEE DBCE Student Branch, in association with IEEE WIE AG & IEEE DBCE GRSS Student Chapter

ACTIVITIES

Institute of Electrical and Electronics Engineers (IEEE)
Student Member

Confederation of Indian Industry-Indian Women Network (CII-IWN)
Student Member

Class Representative (Final Year)
Don Bosco College of Engineering