

ROSHAN SILVESTER LOPEZ

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EXPERIENCE

Federal Bank Ltd., Associate

Oct 2023 - Sep 2024

- Handled diverse roles, including customer relationship management, cash handling, online financial transactions, and ensuring KYC compliance.
- Played a pivotal role in address proof verification for corporate bank accounts, contributing to the seamless operation of the bank.
- Qualified for a regional campaign, by incrementing deposits from walk-in customers.

PROJECTS

Lightweight Cryptography Coprocessor

Tech : Python, CSS, JS, Vivado Xilinx

- An FPGA-based coprocessor for accelerating cryptographic algorithms. Designed an IoT System that reads sensors' data, encrypts them using an FPGA Based Cryptographic Accelerator, and publishes them on an MQTT Broker.

Sign Language Translator

Tech : Embedded C, Flutter & MIT App Inventor

- Smart speaking system that helps mute people in conveying the message to regular people using hand motions & gestures.

EDUCATION

Government Engineering College, Thrissur,

2019 - 2023

B.tech, Electronics and Communication Engineering, GPA - 7.8/10

SKILLS

Programming

- Python
- C++
- Web
- Flutter
- Embedded C

Tools

- Figma
- Framer
- Blender
- Adobe Suite
- Notion

WORKS

Smart Home UI : **Pro-Home**

Book Catalog UI : **PaperBack**

Card Design : **Wave Card**

ACHIEVEMENTS

Review on FPGA

Implementation of

Lightweight Cryptography, Scientific paper published in IEEE.

Awards 1st Position in

State-Level UI/UX designing, ISTE Kerala.