

ROSHAN SILVESTER LOPEZ

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PROFESSIONAL EXPERIENCE

FEDERAL BANK LTD

Business Development Associate

Kochi, Kerala

Oct 2023 - Sept 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.
- Developed strategic insights across product teams, including revenue, marketing and operations departments.

Achievements during tenure

- Qualified for regional campaign, by incrementing deposits from walk-in customers.

SKILLS

- **Programming** : Python, C++, Web, Flutter, Embedded C.
- **Tools** : Figma, Blender 3D, Adobe Creative Suite, Notion, Excel, Finacle.

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

Bachelor of Engineering, Major in Electronics and Communication Engineering - First class

ACHIEVEMENTS

- Scientific paper published in IEEE : **Review on FPGA Implementation of Lightweight Cryptography** 
- Received 1st prize for state level UI Design competition : **ISTE Kerala UI Design** 