

AZIF NIZAM

Electronics and Communication Engineer

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CAREER OBJECTIVE

To contribute to the development of advanced embedded systems that power modern technology, leveraging strong foundations in electronics and programming, and continually enhancing my expertise in hardware–software integration.

SKILLS

- C | C++
- Git/Github version control
- ESP 32
- RTOS Basics
- Computer Networks
- Linux Commands
- Leadership
- Project management
- Team player

EDUCATION

Embedded Systems	2025
Emertxe Information Technologies, Bengaluru, Karnataka	
Bachelor of Technology (Electronics and Communication)	2021 - 2025
Amal Jyothi College of Engineering (Autonomous), Kottayam, Kerala	CGPA 7.58/10
(Affiliated to APJ Abdul Kalam Technological University)	
12th grade - Central Board of Secondary Education	2020 – 2021
Bhavans vidya mandir, Pathanamthitta, Kerala	CGPA 7.4/10
10th grade - Central Board of Secondary Education	2018 – 2019
Bhavans vidya mandir, Pathanamthitta, Kerala	CGPA 9.02/10

PROJECTS

LSB Image Steganography	October 2025
<ul style="list-style-type: none">• A simple command-line address book program where users can add, search, edit, delete, list, and save contacts.	
Mp3 Tag Reader For ID3v2.3	October 2025
<ul style="list-style-type: none">• Developed a command-line MP3 tag editor that can view and edit metadata (title, artist, album, year, genre, comment) of MP3 files. Implemented file handling, binary data parsing, and modular programming to ensure maintainability and scalability.	
Address Book Application in C	September 2025
<ul style="list-style-type: none">• A simple command-line address book program where users can add, search, edit, delete, list, and save contacts	
L-S band Power Amplifier Integrated Antenna	June 2024 – March 2025
<ul style="list-style-type: none">• To design a class AB power amplifier and match its output impedance with the input of a microstrip patch antenna and to integrate it. The IC is aimed to build a portable electromagnetic imaging device.	
Automated Traffic Alert System (ATAS)	June 2023 – March 2024
<ul style="list-style-type: none">• The device which is equipped inside the vehicle alerts the driver about incoming emergency vehicles. The emergency vehicles can communicate with other public vehicles on road.• Embedded system Microcontrollers IoT Transmitter and Receiver ESP 32 C	

INTERNSHIP AND WORKSHOP

- **Internship** (2023): Reverttech IT Solutions-PCB Designing
- **Workshop** (2024): VLSI for beginners by NIELIT Ministry of Electronics and IT, Government of India
- **Workshop** (2023): Foundation of Electric and Hybrid Vehicles by Techmaghi and Tryst'24 IIT Delhi
- **Workshop** (2023): Robotics Workshop by IEEE Kerala Section, IEEE LINK and IEEE RAS Kerala

CERTIFICATION

- NPTEL (April 2024) - A brief introduction of micro sensors, IISER, Bhopal

ACHIEVEMENTS

- **Young Innovators Program Kerala Development & Innovation Strategic Council** (2023): Certificate of recognition