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
- Git/Github version control
- ESP 32
- RTOS Basics
- Computer Networks Basics
- MS (PowerPoint, Word, Excel)
- 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

Address Book Application in C *September 2025*
- A simple command-line address book application that allows users to add, search, edit, delete, list, and save contacts. The application stores contact information such as name, phone number, and email address. It uses file handling to persist data between sessions. The program is modularized into multiple files for better organization and maintainability.
- Advanced C

L-S band Power Amplifier Integrated Antenna *June 2024 – March 2025*
- 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.
- Integrated Circuit | Power Electronics | Signal processing | Power amplifier | Antenna

Automated Traffic Alert System (ATAS) *June 2023 – March 2024*
- 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): Revertech 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