

AZIF NIZAM

Electronics and Communication Engineer

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CAREER OBJECTIVE

Passionate about leveraging my knowledge and skills in Electronics and Communication to contribute to cutting-edge technological advancements, while continuously expanding my expertise in Embedded system design and development in a dynamic and challenging work environment.

SKILLS

- Keysight Advanced Design System (ADS)
- Ansys High Frequency Simulation Software (HFSS)
- Cadence OrCAD
- Python using Ai
- Embedded C using Ai
- MS (PowerPoint, Word, Excel)
- Leadership
- Project management
- Team player
- Management

EDUCATION

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

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

INTERNSHIP AND WORKSHOP

- **Internship** (2023): Reverttech IT Solutions-PCB Designing
- **Workshop** (2024): VLSI Design using Verilog HDL by Maven Silicon and ASAP
- **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
- **Honours Course** (2023) - FPGA based system design
- **Honours Course** (2022) - Nanoelectronics

ACHIEVEMENTS

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

REFERENCES

Dr. Geevarghese Titus, Head of Dept. of ECE,
Amal Jyothi College of Engineering (Autonomous), Kanjirapally, Kerala, India.
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