NIMIA DAS A

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PROFILE SUMMARY

Final-year Electronics and Communication Engineering Student with a minor in Machine Learning looking forward to expanding knowledge and sharing it. Skilled in signal processing, programming and circuit simulation softwares, with a strong desire to bridge theoretical knowledge with practical applications. Currently preparing for upcoming campus placements and GATE examination, eager to contribute to innovative projects and gain hands-on experience in the field.

ACADEMIC QUALIFICATION

COURSE	YEAR OF COMPLETION	INSTITUTE	AGGREGATE
B.tech in Electronics and Communication	2025	NSS College of Engineering, Palakkad	9.12 out of 10(CGPA)
Class 12th	2021	Kerala state board	99.4%
Class 10th	2019	CBSE	95.2%

INTERNSHIPS

Indian Institute of Technology, Palakkad
Project Intern
June 2024 - present
Gained knowledge in installing and setting up OpenPiton software which is the world's first open-source, multithreaded, manycore processor and framework, enabling modifications and evaluations across the entire computing stack.

Airport Authority Of India, Kempegowda International Airport, Bengaluru
February 2024 - March 2024
Gained exposure to a diverse array of fields within the airport infrastructure. From surveillance to automation, navigation aids, and radar systems, I delved into the intricate workings of these

technologies. I was also able to know more about Air Traffic Management (ATM) and its operations. This hands-on experience not only deepened my understanding of electronics but also showcased the practical applications of these concepts in real-world industrial settings.

Southern Railway
08/05/2023 - 12/05/2023
Learned about traction systems, substations, SCADA, electrical systems.Immersed in practical learning. Expanded knowledge base on railway infrastructure. I familiarized myself with the diverse electrical systems utilized within railways, including signaling, communication, and power distribution systems.

TinkerHub Foundation
Learning Initiative Intern
June 2022 - January 2023
Conducted 4 study jams, managing students and mentors. The Study jams were based on Blockchain, Game Development, Rust and React. More than 50 students were engaged for each jams. I was able to learn more about management and networking as a part of it.

Gtech Mulearn Foundation
UX Designer
November 2023 - present
As a UX designer intern, I specialized in creating wireframes, shaping Information Architecture, and gathering user feedback. This role honed my skills in crafting intuitive digital experiences and collaborating effectively within cross-functional teams.

CORE COMPETENCIES

- Proteus
- LTSpice
- Programming in Python and C
- Verilog
- Web designing - HTML, CSS, JavaScript and Bootstrap
- Graphic Designing - Figma and Photoshop

POSITION OF RESPONSIBILITY

- **Gtech Mulearn -** Campus Lead
  Coordinating and managing learning events.
- **Gtech Mulearn -** Web Development Mentor
  Mentored students in the field of web development by clearing their doubts and assigning tasks to them.
- **TinkerHub and IEDC NSSCE -** Designer
  Designed various posters for learning events conducted by TinkerHub and IEDC NSSCE.
  Participated in Kerala's Largest Women only Hackathon by TinkerHub.

- **HultPrize NSSCE -** Events Lead
  Curated events that bring out entrepreneurial skills within the students.
- **ISTE NSSCE -** Poster Designer

PROJECTS

- **Car Parking Counter**
  Developed the simulation for a Car parking Counter using Logic Gates only.
- **Spam Link Detector**
  Developed a spam link detector as a part of Kerala's first women only hackathon.The spam link detector can detect any link and give an alert message if it's a spam.
- **EMI Calculator**
  A basic EMI calculator that I made during my course of learning web development.
- **Smart Bus System**
  A conductorless bus system, where RFID cards are used to deduct money from the user.Based on the number of people getting down at a particular destination, the time the bus will stop at a particular stop is calculated and displayed to the driver and the passenger display. Sensors are used to count the number of people entering the bus and based on that the count is displayed.

ACHIEVEMENTS

- **GATE 2024 Qualifier**
- **NPTEL Certification -**Programming, Data Structures and Algorithms using Python
- **NPTEL Certification -** Essential Mathematics for Machine Learning
- **NPTEL Certification -** Deep Learning

INTERESTS

- Pencil Drawing
- Driving
- Photography