NAYAB RASOOL SHAIK

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CAREER OBJECTIVE

Results-driven Electronics and Communication Engineering graduate seeking a challenging role in a reputable organization to utilize my technical skills, broaden my knowledge, and contribute effectively to innovative projects.

EDUCATION

B. Tech in Electronics and Communication Engineering, Narayana Engineering College, Nellore (2020-2024) , Percentage : 75%

Intermediate (Maths, Physics, and Chemistry), Narayana Junior College, Nellore (2018-2020), Percentage : 70%

SSC (10th Grade), Citizen English Medium High School, Nellore, Percentage : 95%

WORK EXPERIENCE

- I have been working at **Tata Elxsi** for 10 months in the **HIL Testing domain**. Gaining hands-on experience in cutting-edge technologies, I have contributed to key projects, enhancing my technical skills in a collaborative environment.
- Having good professional embedded systems engineering experience in the areas of **Embedded System Testing** and **documentation in Automotive Domain.**
- Good Experience in Hardware in Loop (HIL) in **Electronic Power Steering.**
- Good Experience in **DSpace DS1006, SCALEXIO,** Vector Canoe and CANalyzer, CAPL.
- Good knowledge on **Dspace, Control Desk.**
- Good Experience on **Diagnotics UDS.**
- Good Experience in Communication Protocols **CAN.**
- Ability to develop the **Vector Canoe and CANalyzer, CAN, UDS and LIN** simulation for the ECU's using the Can Network

TECHNICAL SKILLS

- **Tools and Utilities** : Vector Canoe and CANalyzer
- **Test Cases Authoring Tool** : Automation Desk (DSpace-SCALEXIO)
- **Callibration, Management** : Control Desk (Dspace)
- **Protocols** : CAN, UDS, and LIN
- **Programming Languages** : Basic CAPL scripting
- **Operating System** : Windows XP, 7 &10, and Linux.

CERTIFICATIONS

- Certified by Tata Elxsi.
- Microsoft Azure IoT Developer Certification.
- Full Stack Web Development Certification – Pregrad.

PROJECTS

Electronic Power Steering

- The **Electronic Power Steering (EPS) System** project focuses on the development, validation, and testing of an advanced power-assisted steering system.
- EPS replaces conventional hydraulic power steering with an electric motor to improve vehicle handling, fuel efficiency, and driver comfort.

Motion Detector and Target Destroyer

- Developed an automated motion detection system using Raspberry Pi.
- Integrated motion sensors, a camera module, and actuators to identify and eliminate targets.

INTERNSHIPS

TATA Elxsi

Automotive & Embedded Systems

- Assisted in the development and testing of embedded software solutions for automotive applications, focusing on AUTOSAR architecture and real-time systems.
- Gained hands-on experience with CAN, LIN, and UDS protocols, contributing to debugging and validation processes using tools like Canoe and Control Desk.

Cloud Virtual Internship
AWS Academy (2024)

- Acquired knowledge of cloud computing, AWS architecture, and deployment models.
- Worked on cloud-based project implementation.

HOBBIES & INTERESTS

- Playing Cricket
- Rectifying Electronics