

# Shaik Jameer Ahmed

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## Career Objective

Seeking a position to utilize my skills and abilities in an industry that offers professional growth while being resourceful, innovative and flexible. Committed to achieving excellence through a proactive and adoptive approach driving forward progress in dynamic environment

## Academic Qualification

Qualification	Institute	UNIVERSITY/BOARD	Year of passing	CGPA
Bachelor of Technology (ECE)	Sree Rama Engineering College	Jawaharlal Nehru technological university Ananthapur	2023	7.36
Intermediate (MPC)	M.G.M Junior College	Board Of Intermediate	2019	9.78
SSC	Vishwabharathi E.M high school	Board of Secondary Education, A.P	2017	9.7

## Skill Set

Programming language	C, C++, Python
Data structures	Linked list, Stack, Queue
Algorithms	Searching and sorting
Debugging tools	GDB, PDB, JTAG, Ltrace, Strace
System programming	File management, signals, Threads (system-v, posix), process management, pipes, named pipes, shared memory, semaphore (system-v, posix, mutex
Communication protocols	UART, I2C, SPI
Networking protocols	TCP/IP, UDP, Socket Programming
Wireless communication	WIFI
Operating systems	Linux(ubuntu), windows
Tools	Putty, GIT, Wireshark, logic analyzer
IDE, s & compiler	Code composer studio, visual studio, CCS compiler, Arduino IDE, gcc compiler
Boards worked on	ESP32, NRF5233, Atmega328p

## Project

**Title: Commercial Grade RO Filter**

**Software & tools:** Code Compiler Studio, Arduino, Putty

**Language:** C

**Description:** Led development efforts for a cutting-edge monitoring system aimed at ensuring the optimal performance of a Commercial Grade RO Filter. The system continuously tracks crucial parameters including Total Dissolved Solids (TDS) levels, flow meter values and temperature of water inlet/outlet rates, wastage. transmitting collected data to a server via MQTT protocol. Leveraged MSP432E401Y microcontroller, Quectel GSM/GPS module (BG95), and RTL8720DN microcontroller for seamless data transmission via both LTE and Wi-Fi networks

## Responsibilities

- worked on testing LTE and GSM on BG95 development board. And observed the response of every command in putty.
- Tested dynamic switching between Access Point (AP) and Station (STA) modes, enhancing system adaptability to varying network environments.
- Worked on TDS sensors testing and observed the logs in MQTT box
- Facilitated unit testing procedures for publishing dummy data over a 24-hour period, monitoring system performance via a web interface.

## Personal details

Name	: Shaik Jameer Ahmed
Father's name	: Shaik Shamsuddin
Date of Birth	: 15-08-2002
Languages known	: English, Hindi, Telugu
Nationality	: Indian
Marital status	: Unmarried

## Declaration

I hereby declare that the above-mentioned information is true to the best of my knowledge

Shaik Jameer Ahmed