RIMA RAFEEK

BTECH (ELECTRONICS AND COMMUNICATION ENGINEERING)

rimarafeek@gmail.com

+918592080967

Using my skills, education and experience to develop my career as an engineer and help the company to achieve business goals by selecting or creating effective IT solutions in an international environment.

ACADEMIC DETAILS

Qualifications	Stream	Year Of Passing	Board / University	Institute	% Marks / CGPA
B.TECH	Electronics & Communication Engineering	2017	Kerala University	Mar Baselios College Of Engineering & Technology , Nalanchira	7.43/70%
XII	Biology- Science	2013	CBSE	St Johns School , Anchal	84%
X	Science	2011	CBSE	Shantinikethan International School,Nilamel	9.4

ACADEMIC PROJECTS & SEMINAR

B. TECH MAIN PROJECT

.

TITLE	FPGA Based Audio Processing.
PROJECT DESCRIPTION	The traditional software approach to digital signal processing introduces a delay between the audio input and the audio output (referred to as the total system latency). This can be problematic for applications that require real-time operation such as live processing of musical instruments. A model for acoustic noise cancellation using Data Acquisition Toolbox in MATLab 12a Simulink was developed. VHDL Code was synthesised on Xilinx v.14.5.
TOOLS USED	MATLab 12a, Simulink, Xilinx

B. TECH MINI PROJECT

TITLE	Smart Gas Sensor
PROJECT DESCRIPTION	The project is to monitor the weight and leakage of LPG cylinder. It helps the consumer to monitor the weight of the gas and place the order earlier. The gas leakage system in the detector detects the gas leakage and the user will be informed to turn of the gas cylinder using SIM Module.
TOOLS USED	Proteus, IC- PIC 16F887

B .TECH SEMINAR

TITLE	Intelligent Repeaters on Interstellar Spacecraft
SEMINAR DESCRIPTION	SETI (Search For Extra terrestrial Intelligence) was founded to explore , study and explain the origin and existence of extra terrestrial life. Signals gets weaker as it travel away from earth. To extract such feeble signals, high gain base station antenna are being reengineered. Interstellar repeaters enable communication link between space craft and base station so that it would be ideally never lost.

INTERNSHIPS

2016	HAL, Bangalore.
2016	Keltron Equipment Complex , Karakulam

TECHNICAL SKILLS

Languages Known	PYTHON ,Basics of C++
Operating System	Windows XP,2007,2010,Android
Technologies Known	HTML,CSS ,Bootstrap
Field of Interest	Embedded System, Data Science
Design and Layout Tools	PCB Layout Tools-Proteus Front end Tools- MATlab , Xilinx
Microprocessors & Microcontrollers	Assembly language programme (8051 ,8085)
Certification Course	Basics of Data Science by IBM initiatives Python Basics by IBM initiatives
Databases Known	MySQL , SQLite

CO-CURRICULAR AND EXTRA CURRICULARS

2017	Volunteer of College Event ,Cross Roads
2013	SHRIEEK, An IEEE event

ACHIEVEMENTS

2013	First prize for dance item on CBSE Sahodaya interschool fest
	Third prize for dance item on CBSE Sahodaya interschool fest
2011	School Head Girl

PERSONAL DETAILS

Date of Birth	16-10-1994
Languages Known	English, Malayalam
Contact Address	R S Villa Kummil P O Kadakkal Kollam
Father's Name	M N Rafeek
Mother's Name	Souda Rafeek

REFERENCES

References upon request.