

# Rohit S

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## EDUCATION

<b>Amrita University</b> <i>Electronics and Instrumentation engineer, B-Tech</i>	Coimbatore 2016-2020
<b>Suguna PIP School</b> <i>CBSE 12th mark-415/500</i>	Coimbatore 2012-2016

## EXPERIENCE

<b>Yokogawa India Ltd</b> <i>Automation Engineer</i>	May 17 2021 - July 27 2022 Bangalore
<ul style="list-style-type: none"><li>• Was a project head for mangalam Organics plant expansion project where we co-ordinated with hardware,software and graphic team to build an automated control system</li><li>• Was involved in FAT's where we tested control systems for harsh factory uses for companies like IOCL and Atul</li><li>• Used programing languages like C to create sequencing and interlocks and intergrated it with Centum VP(DCS software</li></ul>	
<b>Star Communication</b> <i>Network Engineer</i>	June 2020-April 2021,Aug 2022-present Karur
<ul style="list-style-type: none"><li>• Was involved in establishing partnership with Airtel and BSNL Which increased the revenue by 30 percent</li><li>• Assess and troubleshoot internet speed problems brought by Customers</li><li>• I have worked in management and technical fields involving server maintenance,OLT and Router configuration,Splicing and also Marketing</li></ul>	

## PROJECTS

<b>Airline Reservation System</b>   <i>Java Swing, SQL, DSA</i>	May 2023 – June 2023
<ul style="list-style-type: none"><li>* Developed a full-stack windows application using java swing with SQL for the backend,Integrated both using JDBC driver</li><li>* Implemented Automatic Id generation for Customer,flight and tickets</li><li>* Created Login Authentication system and verified using admin credential in database</li><li>* Used multiple relational tables in backend to query,add customers,book flights and generate tickets displayed in the respective GUI windows</li></ul>	
<b>Sudoku Solver</b>   <i>Java Swing, DSA</i>	May 2023 – June 2023
<ul style="list-style-type: none"><li>* Created a Sudoku Solver application with reset,show/hide solution and check correct moves functional buttons</li><li>* Created and designed action listeners for 9*9 matrix buttons in JFrame</li></ul>	
<b>Compressor Decompressor</b>   <i>Java Swing, DSA</i>	May 2023 – June 2023
<ul style="list-style-type: none"><li>* Created a lossless compression and decompression application which can compress an decompress all types of data to reduce storage space</li><li>* Have utilized the GZIP input and output stream class in java swing to compress and decompress the file</li></ul>	
<b>Optimized Viterbi decoder</b>   <i>C++,Xilinx Vivado HLS,verilog</i>	Aug 2019 – May 2020
<ul style="list-style-type: none"><li>* Coded the algorithm in C++ and converted to verilog based code for optimization</li><li>* Generated RTL code and Optimized using Vivado HLS tool and created test bench which can be mapped in FPGA efficiently</li></ul>	

## TECHNICAL SKILLS

**Programming and DataBase:** Java, C/C++, JavaScript, HTML/CSS, SQL  
**Developer Tools:** VS Code, IntelliJ, GitHub, NetBeans  
**Coursework:** Design and Analysis of Algorithms,Object Oriented Programming, Operating Systems, Data Structures, DataBase Management System