

Standard format:

Name: Sai Goutham S

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Phone no.: 6363671096

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Personal Email Id: sgowthamranangi@gmail.com

Resume with your academic profile:

- I am currently pursuing my BE degree in Electrical and Electronics at Nitte Meenakshi institute of technology Bangalore.
- I am currently studying in third year of my Engineering.
- My current CGPA is 7.04
- **I am currently working on Li-fi based project under the guidance of my faculty coordinators and advisors from QNu labs.**
- I have participated in training of FPGA system Design using Xilinx System Generator.

Japanese level Certificate: JLPT

N5: JLPT-N/A

Project 1:

Title: "Unidirectional Game (Google Dinosaur Replica)"

Methodology: Developed using an LCD screen, I2C interface, and Arduino.

Software used/ Tools/ Components required: Arduino, LCD, I2C Module, C++

Coding with small explanation: Programmed an Arduino-based game with an LCD display.

Project proof in image form: [To be added]

Results: Successfully created a playable game on a microcontroller.

Outcome: Working game with smooth functionality.

Project outcome: [To be added]

Conclusion: Improved coding and embedded systems skills.

Industrial application: Embedded gaming applications.

Societal application: Educational tool for learning embedded programming.

Contribution: Designed circuit, wrote code, and tested the game.

Internship:

Internship 1:

Title of the internship: Python Programming and Machine Learning Applications.

Company name: Aqmenz Automation Private Limited

Duration: How many days, From 20/03/2023 to 08/04/2023

Work carried out: Python coding, circuit testing, 3D printing.

Outcome: Software/ Tools/ Hands on training of Projects with few lines of write up

- We used LT spice software to test the Electrical circuits and build.
- We used jupyter notebook for coding of python.

➤ We used TinkerCad for 3D printing the objects.
Proof: Photo/certificate/ appreciation letters



Skills:

1) Languages/Programming

- Python
- English
- Japanese
- Telugu
- Kannada
- Hindi

2) Trainings explanation and Certificate of Trainings

- **IIT solar ambassador workshop** was about how to build a solar lamp from scratch and to understand about the power and importance of solar energy.

- To know the importance of renewable energy as a fundamental one, finally Use solar energy applications and advantages over other energy sources.
 - **Skill Enhancement Training** on “additive manufacturing designer and Industry 4.0”.
 - The training covered 3D manufacturing and machine learning course.
- 3) Hands on workshops/ trainings explanation and Certificate of workshops/ trainings
- **Workshop on designing and creating our life** in a productive way by Junaid who is a Stanford life design educator.
 - It was a wonderful workshop for about three days, and it was very knowledgeable.
 - **FPGA System Design using Xilinx System Generator** was about Field programmable gate array and its usage.
 - We used Verilog software
 - **IBM QISKIT workshop** was like introducing us to quantum computing and its elements.
 - We used an IBM circuit composer for our practice.
- 4) Ability enhancement courses and their Certificate
- Robotics Engineering using Lego Mindstorms
 - Advanced Robotics Engineering using Tetrix
- 5) Academic lab Practices from 1st semester till today
- Chemistry Lab
 - Physics lab
 - Digital electronics lab
 - Analog electronics lab
 - Electrical machines lab
 - Robotics Lab
 - Product design and development Lab

Proof: Photo/certificate/ appreciation letters

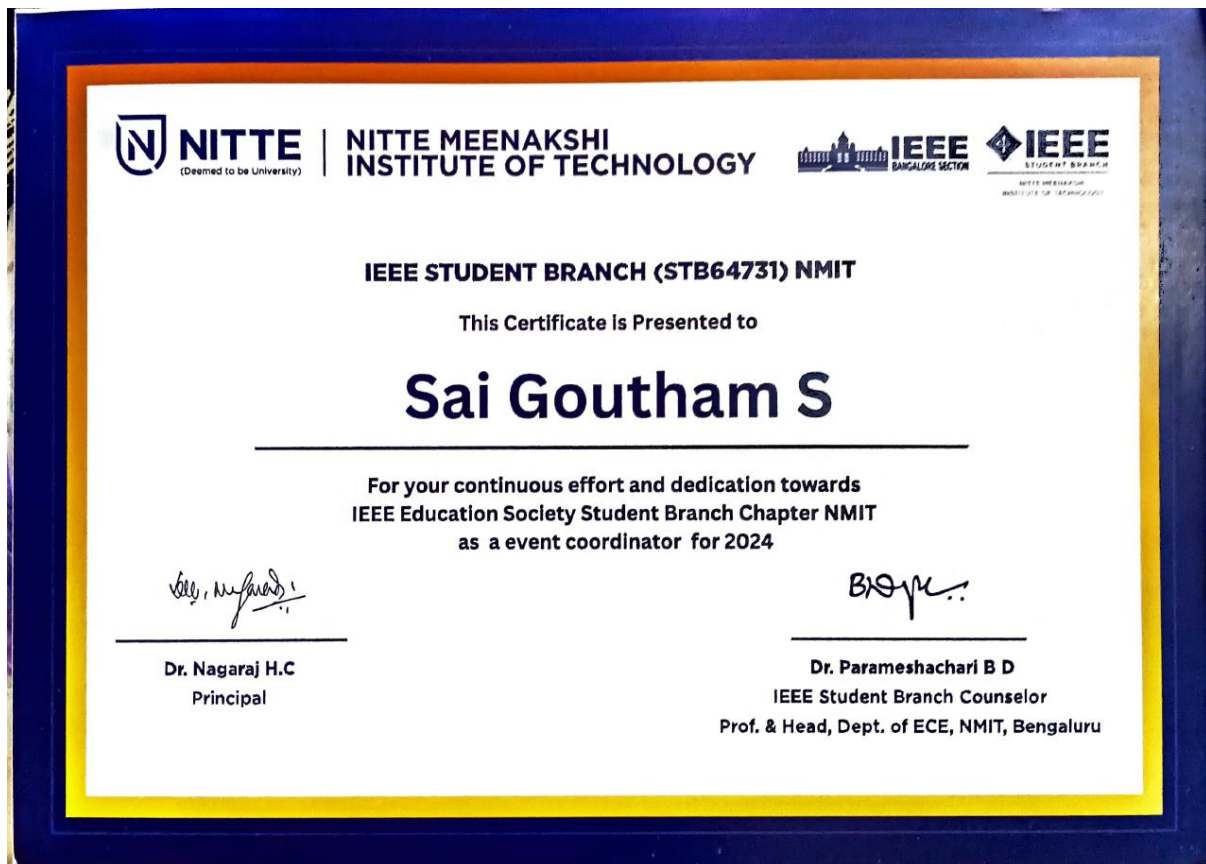
Achievements:

- 1)**Certified courses:** NPTEL/Coursera/Udemy- Udemy course [industrial automation using PLC]
- 2) **Societal works:** Blood donation/plantation/teaching in government schools- Blood donation in Rashtrathana blood bank.
- 3) NCC/RED CROSS/NSS- NSS
- 4)**Club:** Membership/activity conducted (in campus or outside the campus)- Education society club, Renewable energy and sustainability club, Q-Bits club.
- 5)**IEEE membership:** Membership Number- 100205275
- 6) **Sports:** State level/ national/international

- 7) Conference papers:
- 8) Journal paper:
- 9) Competition: I participated in a quiz competition held in our college on world quantum day and secured 2nd place.
- 10) Awards: I won 2nd prize in a quiz competition held in our college on quantum computing.

I would like to present few of my certificates obtained so far after coming to this institution.

- 1) This is the certificate I have achieved it from IEEE organization as member of Education society and IEEE.




- 2) This is the certificate from our college where I have participated in a 3 day workshop held in our college from a club Q-Bits(I am member of it) .

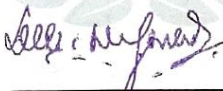
Certificate of Participation


THIS IS TO CERTIFY THAT

Sai Goutham S

HAS ACTIVELY PARTICIPATED / VOLUNTEERED IN A THREE-DAY IBM
QISKIT WORKSHOP HELD IN THE MONTH OF JANUARY.


Chief Quantum Architect,
Boson Q Psi. Pvt. Ltd.
Mr. Karthiganesh Durai


Principal, NMIT
Dr. H C Nagaraj


Professor, EEE- NMIT
Dr. Samanvita N



NITTE
EDUCATION TRUST

**NITTE MEENAKSHI
INSTITUTE OF TECHNOLOGY**

Department of Mechanical Engineering



CERTIFICATE OF SKILL ENHANCEMENT TRAINING




ADDITIVE MANUFACTURING


This certificate is awarded to

Mr./Ms. SAI GOUTHAM S


for successfully completing 36 hours of Skill Based Training on "Additive Manufacturing Designer and
Industry 4.0" conducted from 31st July to 04th August 2023.


Dr. L. Jyotish Kumar
President, AMSI


Mr. Prakasam Anand
Head, EOS India


Dr. Kapilan N
Prof. and Head,
Dept. of M.E., NMIT


Dr. Sudheer Reddy J
Dean - International Relations,
NMIT


Dr. H C Nagaraj
Principal,
NMIT

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