SIRI BHOGADI
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EDUCATION

Missouri University Of Science and Technology, Rolla, MO **(2023-2025)**
Master of Sciences – Electrical and Computer Engineering **Graduation Date:05/2025**
Coursework: Single integrity&RFmeasurements| Antennas&propagation| Computational Intelligence

Jawaharlal Nehru Technological University Hyderabad, India **(2019-2023)**
Bachelor of Engineering – Electronics and Communication Engineering **08/2019-08/2023**
Coursework: Analog & Digital Circuits | Control Systems| Microprocessor& Microcontroller

WORK EXPERIENCE

VLSI Intern, Electronics Corporation of India Limited (May'22-July'22)
- Explore techniques to reduce power consumption in your design, such as clock gating, power gating, and voltage scaling.

Software intern, EPR services Pvt Ltd (Jan'23-March'23)
- Worked as a Software trainee under the supervision of Sr. Python Developer.
- Collaborated with team in code reviews and provided feedback for improvements.

Summer Camp Counselor,Missouri S&T (Jun'24-Aug'24)
- Planned and led Engineering camps, fostering a fun and engaging environment for campers.
- Collaborated with other counselors and staff to create a cohesive and supportive camp community.

Student Teaching Assistant, Missouri S&T (Aug'23-present)
- Assisting the professor for class of microcontrollers and digital logic and grading assignments.
- Provided feedback to students for better understanding.

PROJECT WORK EXPERIENCE

- **Electromagnetic compatibility & RF measurements project:** Improving VNA measurements by mitigating shunt impedance ground loop.
- **Computational intelligence project:** Comparative study of cataract disease detection using neural network.
- **Cadence Project (VIRTUOSO):** Designed 2,4,8 Bit adder of 45nm technology from the MOSFET level Reduced the propagation delay of adders from 75 % to 90 % Evaluated the LVS and DRC and compared the results.
- **Low Power Single Phase Clock Distribution using VLSI**: Investigated the reduction of dynamic power for streaming application yielded by asynchronous dataflow designs by using gating techniques.
- **Sorting of objects using color sensor**: Sorted objects moving in a conveyor belt using a color sensor with Arduino hardware. Coded a program to scan the object color to trigger the stepper motor connected to the Arduino.
- **LED Object Distance Indicator by using Ultrasonic Sensor and Arduino:** Worked on making of LED object distance detector using ultrasonic sensor and Arduino UNO which is very useful in daily life.

SKILLS

- Script Language: MATLAB, C, C++, python,ECAD
- Simulation tools:FEKO,ADS,Cadence Virtuso,HFSS,ANSYS sinwave
- Analog and Digital Electronics: Proficiency in reading and interpreting circuit diagrams to trace circuits and identify components & Skilled in using diagnostic tools such as multimeters, oscilloscopes, signal generators, and spectrum analyzers.
- Soldering and Desoldering: Competence in repairing or replacing components on printed circuit boards (PCBs).
- Test and Measurement: Conducting accurate tests and measurements to verify component functionality and system performance.
- Technical Communication: Proficient in technical writing, documentation, public speaking, and presentations.

CERTIFICATIONS & PARTICIPATIONS

- TCS ION Career Edge Young Professional – TATA consultancy service
- Introduction to Project Management – Indian school of Business.
- Participated in BAJA SAEINDIA 2022, Intercollegiate Competition – Member of All terrain Vehicle Design team.
- Participated in Earth Observation for Carbon Cyclic Studies, conducted by Dept. of Space, Government India.
- Participated in Android Botix Workshop, Conducted by Innovation Cell, IIT Bombay.
- Elected as Representative Member of Council of Graduate Students for Electrical department at Missouri S&T.