



SUMMARY

An MS Computer Engineering student at University of Arkansas, Fayetteville, specializing in image processing. With a year of experience in semi conductor validation, proficient in C# and LabVIEW and delivering high-quality solutions.

EDUCATION

University of Arkansas, Fayetteville
Master of Science in Computer Engineering
(Present)

Sri Ramakrishna Engineering College
Bachelor of Electronics and Communication
Engineering
(2019 - 2023)

SKILLS

- C#, WPF
- LabVIEW
- C++
- html,css, JavaScript
- gRPC Framework
- Ansys HFSS Software

PROJECTS

- Microchip Analyzer and Validation(MAV) Suite
Analyzes and validates microchip by performing functionality verification and image processing using LabVIEW and YOLO v7 algorithm.
- Design and analysis of antenna for 5G application
An efficient antenna, designed using ANSYS HFSS tool is simulated, optimized, and fabricated.
- Bio-sensing Antenna for Seizure Detection.
Designed microstrip patch antenna as a biosensor for detecting Seizures.
- Raspberry PI-based Intelligent Car Parking System
(Publication Link)
- Efficient Power Generation to Automate Street Lights Based on Traffic Density (Publication Link)

CERTIFICATIONS

- **Honors Diploma in Computer Application**, Computer Software College.
- **Introduction to Internet of Things** course through NPTEL online certification.
- **Business English Certificate Examination** (Preliminary) by Cambridge University.

PROFESSIONAL EXPERIENCE

Project Engineer

Soliton Technologies | 06.2023 - 06.2024

- Focused mainly on maintaining and developing custom features in MAVIS, Soliton's proprietary test automation framework for medical devices.
- Contributed in a desktop application with a sophisticated GUI in C# and WPF which seamlessly integrated various test automation tools in C#, LabVIEW, and Python.
- Had a strong sense of ownership and prioritizing the delivery of high-quality outcomes.

Intern

Soliton Technologies | 07.2022 - 05.2023

- Had an intensive training program focused on mastering LabVIEW and TestStand, becoming proficient in programming and test automation.
- Cultivated a broader perspective, fostering strategic thinking and a commitment to lifelong learning, reinforcing the importance of staying updated with evolving technologies and industry trend.

Project Trainee

National Institute of Technology | 09.2021 - 10.2021

- Carried out a research in developing new antenna designs by incorporating the latest technology of adding SIW and deep well cavity which significantly increased the antenna's capability.
- Designed the antenna and stimulated it using Ansys HFSS software and later fabricated the antenna successfully.

Intern

Pricol Engineering | 09.2021 - 10.2021

- Worked with the Research and Development team on their new project of optimizing an advanced pressure sensor according to the needs of the customer.
- Improved the efficiency in the navigation of modern aircraft systems, in the field of defense.

ACCOMPLISHMENTS

- Winner of the **Greatest Ideator** hapython 2021 (C Hackathon) of R2C Technologies.
- Won the **Best ANSYS Software Project Award** for the project titled Bio-sensing Antenna for Seizure Detection in SRISHT 2022.
- Secured the third place in the **LabVIEW Challenger Speed Code Contest**, 2023 at Soltion Technologies.