

# SREEDHAR RAMESH

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## EDUCATION

**Master of Computer Science** | University of Illinois Urbana-Champaign Urbana, IL  
GPA: 3.66/4.00 Aug 2023 - May 2024

Relevant Coursework: Artificial Intelligence, Database Systems, Methods of Applied Statistics, Cloud Computing

**B.S. Computer Engineering** | North Carolina State University Raleigh, NC  
GPA: 3.88/4.00 Aug 2020 - May 2023

Relevant Coursework: Computer Networks, Neural Networks, Data Structures and Algorithms, Embedded Systems

## SKILLS

<b>Languages</b>	C, C++, C#, CSS, HTML, Java, MATLAB, MySQL, PySpark, Python, R
<b>Libraries And Tools</b>	BeautifulSoup, Django, Docker, Git, Numpy, Node, Pandas, React, TensorFlow
<b>Cloud Technologies</b>	AWS (Aurora, DynamoDB, EC2, ElastiCache, Glue, Lambda), GCP (MySQL)

## EXPERIENCE

**Qorvo** Greensboro, NC  
*Characterization Engineer Intern* May 2023 - Aug 2023

- Engineered and deployed a robust C# Windows Forms application, leveraging advanced programming techniques to automate Qorvo's cellular product test plan process, enhancing operational efficiency.
- Rolled out the automated test plan tool to multiple U.S. locations and 3+ engineering teams, slashing validation times by 70% and reducing the process from weeks to under 4 days.
- Conducted testing and data analysis on a current high-cost product used in testing, comparing it with a potential vendor's offering priced at a quarter of the cost, identifying significant potential savings if switched.

## PROJECTS

### Steam Game Search

- Collaborated within a team to develop a dynamic web app, enabling users to search, score, and manage favorite Steam games.
- Played a key role in the seamless integration of React.js with a Google Cloud Platform server and MySQL by spearheading the design and implementation of RESTful APIs.

### URL Shortner

- Designed and implemented a URL shortener using Python, Django, and BeautifulSoup, streamlining long web addresses into concise, user-friendly links.
- Leveraged web scraping capabilities to enhance the user experience, demonstrating proficiency in web development and data manipulation

### WiFi-Controlled Autonomous Line-Tracking Car

- Designed and developed an autonomous black-line tracking car from the ground up, utilizing my expertise in embedded C programming for the MSP430 microcontroller platform.
- Incorporated a Wi-Fi module, enabling remote control and monitoring of the car's movements via a mobile phone interface, showcasing strong skills in hardware integration and IoT technology.

### Building Inspection Drone

- Collaborated closely in a team to engineer an innovative autonomous drone system designed for surface inspections around buildings.
- Programmed in Python and powered by a Raspberry Pi, the drone utilizes LiDAR technology to precisely navigate and maintain a hovering position in front of walls.