

# Dhruthi Sridhar Murthy

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**OBJECTIVE** Seeking a full-time software engineer position in a fast-paced organization, bringing in 2 YOE of experience in managing and ensuring product quality in product-based companies.

## EDUCATION

**Florida Tech Melbourne, FL**

**Sep 22 – Dec 23**

*Master of Science in Computer Engineering*

Relevant Courses: Computer Architecture, Pattern Recognition, Database Management Systems, Quantum computing

**Kammavari Sangha Institution, India**

**Aug 15 – Aug 19**

*Bachelor of Engineering in Electronics and Communication*

Relevant Courses: Operating Systems, Data Structures, and Algorithms, Programming in C, Object-oriented Programming

## TECHNICAL SKILLS

- **Programming languages:** Python, C, C++, JavaScript
- **Databases and Cloud:** MySQL, MongoDB, AWS
- **Web Technologies:** HTML, CSS, ReactJS
- **ETL& Visualization:** Tableau, Power BI

## PROFESSIONAL EXPERIENCE

**Electro Links Pvt. Ltd| Software Engineer**

**June 21 – Mar 22**

- Designed and developed RESTful APIs using Node.js and Express.js
- Enhanced the existing application by around 30% through responsive UI and context-sensitive navigation.
- Conducted various database validations using MONGO operating Postman in different environments.
- Well Built communication and presentation skills: communicating and presenting to senior management.

**Clover Ventures Pvt. Ltd| Programmer Analyst**

**Sep 20 – May 21**

- Developed application modules based on client requirements using JavaScript.
- Utilized MySQL, data warehousing programs, other dashboards, and visualization tools for data intelligence and analysis.
- Scraped product information from other e-commerce websites using Python scripting for price change monitoring and product review analysis, saving 30% of the time in analyzing the data.
- Collaborated with the product manager and the management team to perform cohort analysis that identified an opportunity to reduce pricing by 22% to boost the yearly revenue.
- Built data visualizations using SQL and Tableau for logistic analysis, reducing manual reporting by 9 hours weekly.
- Collected, cleansed, and provided modeling and analyses of structured and unstructured data used for major business initiatives, which reduced 15% in transportation cost, resulting in annual savings.

**DCT Academy| Software Engineer Intern**

**Sep 19 – Aug 20**

- Development of UI with modern JavaScript frameworks, HTML5 and CSS3 which improved user satisfaction by around 31%
- Executed data wrangling and data visualization on extensive data set leveraging Tableau.
- Designed and implemented RESTful API using Node.js.
- Created the UI experience that collected, parsed, and functional user interfaces to give visitors on devices the same perfect user experience.
- Designed and developed web applications using the JS framework React.js to increase the target by 12%

## ACADEMIC PROJECTS

**Financial Planner (FPGA)**

**Jan 23 – May 23**

- Designed a financial planner tracking individual finances to achieve lower spending and higher savings.
- The Financial planner was designed and implemented on the Pynq-z2 board.
- Moore machine is used to implement various financial states navigated with the push button press.
- The Raspberry Pi uses this data to visualize the user's financial state with a Python script.
- Created various dashboards using Tableau for the analysis of financial data.

**Ticket Master**

**Aug 19 – Feb 20**

- Developed a full-stack application that allows the user to register or log in, create and handle tickets concerning the customers and their issues about a specific department, and assign them to the employees.
- CRUD Operations can be done on the customers, employees, departments, and tickets.
- Created a visualizations pie chart and a bar graph for showcasing the tickets concerning individual departments.

**Food Monitoring and Control Systems**

**Oct 18 – Jan 19**

- Developed a single-page Application using ReactJS and Redux to display the status of the food quality.
- Developed a way to increase the maintenance of food quality by 15%
- Created a dashboard to track the efficiency by adding sensors that reduced the manual analysis of the products by 30%
- Retrieved all the data from the database and did a predictive analysis on the product's life span using Tableau.

## ACHIEVEMENTS AND HONORS

- Published a technical paper recommended for a patent on "Food monitoring and control System using Internet of things" at (IJRASET – 2019) <https://www.ijraset.com/files/serve.php?FID=23811>
- Took a lead role in creating awareness about women's hygiene in Indian villages with National Service Scheme
- Volunteered for a non-profitable organization, YOP, to provide food and ration to people in need during the lockdown in 2020.