

# Vasanthkumar Ramamoorthi

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## **CAREER OBJECTIVE:**

Passionate software engineer with a strong background in software development, programming languages, and cutting-edge tools.

I am committed to advancing my professional skills and dedicated to designing solutions that focus on the user's needs. Seeking a challenging role where I can apply my problem-solving skills and passion for technology to drive impactful projects with all my previous experience and learnings.

## **EDUCATION:**

**DePaul University, Chicago, United States**

**2025**

— Master Of Science in Computer Science (STEM)

**Course work:** Data Structures, Systems, Distributed systems, Concept of Programming Language, Algorithms

**Sri Ramakrishna Engineering College, Coimbatore, India**

**2021**

— Bachelor of Engineering in Mechanical Engineering

Graduated with GPA of 7.49/10.00

## **EXPERIENCE**

**Cognizant, Bangalore, Karnataka, India - Program Analyst**

**September 2021 - July 2023**

**Project: JHHC ( Johns Hopkins HealthCare )** [www.hopkinsmedicine.org](https://www.hopkinsmedicine.org)

- I have experience as a Program Analyst, focusing on projects within the U.S. healthcare and insurance sectors. - JHHC ( Johns Hopkins HealthCare ). Mainly focusing on backend-development and DevOps using MSSQL and C#.
- Created complete stored procedures as per the functionality of the project.
- Worked on creating a C# .NET code to move the input and output file to the desired location in the project interface using logical functions.
- Back-end-development based on insurance claims related to Medicaid and Medicare, data extraction as per client requirement.
- Deploying SQL and project components using power shell script, Monitoring Active Batch job run to detect the error generated while the Active batch job run and correcting the error in the code.

## **INTERNSHIP**

**Cognizant, Coimbatore, Tamilnadu, India - Research Intern**

**June 2021 - September 2021**

- Developed expertise in C# and MVC web development, effectively utilizing structured query language with MSSQL to enhance database performance. Played a key role in full-stack web development initiatives and demonstrated proficiency in implementing efficient DevOps methodologies.
- Worked on Full stack web application using .NET C#, to create a e-commerce website as a final project of the internship.

## **PROJECT**

Creating a web page using MVC, .NET and MSSQL:

**August 2021 - September 2021**

- **Goal** - To create a web page for the party hall to manage the booking details.
- **The methodology used** - Using MVC .NET, MSSQL, HTML, and CSS I created a web page for both the front-end and back-end of the website with different functionalities for both admin users and customer users.
- **Result** - By creating the web application the customers will easily book a party with the required amenities with respect to the available dates.

Built a Bluetooth controlled Robot using Arduino for feeding fish:

**January 2021 - March 2021**

- Built a mini robotic vehicle that can be integrated into and controlled by an android phone.
- Programmed the Arduino for basic movements like forward, backward, left, right, etc., integrated Bluetooth receiver to the Arduino board, and programmed it for the same.

## **CERTIFICATIONS**

- Data Science - Data science with Python [Udemy]
- Java script - Basics of JavaScript [Udemy]
- IoT - IoT in healthcare and manufacturing.
- Formal communication - Tactics for smarter team communication. [Udemy]
- BEC - Completed Business English Certification Preliminary conducted by Cambridge university.

## **LANGUAGES**

**Programming languages:** C, C++, C #, Python, Java, HTML, CSS, JavaScript, SQL, PL/SQL, Power shell, and Selenium.

**Software Tools:** Oracle, MSSQL, Xampp , Visual Studio, Visual code, Web driver IO, MATLAB, SolidWorks, AutoCAD, Photoshop.