

# D.C. Sharath Venkat

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## EDUCATION

**Binghamton University, State University of New York, Thomas J. Watson College of Engineering and Applied Science**  
*Master of Science in Computer Science*

**Relevant Coursework:** Design and Analysis of Algorithm, Systems Programming, Programming Languages, Programming Systems and Tools, Intro to AI, Programming for the Web

**Rajalakshmi Engineering College, Chennai, Tamil Nadu, India,**

*Bachelor of Technology in Information Technology*

May 2024

**Cumulative GPA:** 3.7/4.00

**Relevant Coursework:** Data Structures and Algorithms, Computer Networks, Database Management Systems, Operating Systems

## TECHNICAL SKILLS

**Languages:** C, Python, HTML/CSS, SQL, Java, JavaScript, Kotlin, XML

**Frameworks and Libraries:** Node.js, Express.js, Java Spring Boot

**Software and Tools:** Android Studio, Figma, Git/Github, .Net, Wordpress, plugins, Linux, Power BI, Tableau, JIRA

**Specializations:** Artificial intelligence, UI/UX Design, Full Stack, Web Development

**Certifications:** Java Spring Boot, Google Cloud, Introduction to Generative AI by Google, Robotic Process Automation, Embedded Systems, Unified Technology Learning Platform, VMware IT Academy, UI/UX Design

## PROFESSIONAL EXPERIENCE

**VMware IT Academy Supported Virtual Internship Program** | Chennai, India

November- 2022

- Gained in-depth understanding of Java Spring Boot and modern applications.
- Worked on real-world projects related to Java Spring Boot and modern application development.
- Engaged in coding and development tasks, where I wrote code, debugged, and worked on software.
- Created an app using the Skyscanner API that shows real-time flight availability and costs.

## PROJECT EXPERIENCE

**Interactive Educational AI Chatbot (IEA), Final Year Project Lead** | Group Project

January 2024 – May 2024

- Led the development of an AI-powered virtual assistant designed to provide personalized, dynamic learning experiences.
- Leveraged natural language processing (NLP) and machine learning techniques to engage learners in real-time, answering queries, offering explanations, providing feedback, and facilitating discussions.

**Sales Insight, Lead Developer** / Group Project

August 2023

- Developed a serverless application utilizing diverse invoice datasets to train a machine learning model for sales forecasting.
- The objective was to predict the type of card payment used by customers, enabling the business to offer targeted promotions and deals based on card type, thereby attracting and retaining more customers.

**Seamless Entry and Exit Tracking for College Buses with RFID, Developer** | Individual Project

January 2025

- Designed and developed an IoT solution for real-time tracking of student entries and exits on college buses, using RFID.
- By employing RFID scanners installed on buses, it records entry and exit times, along with bus identification numbers.

## LEADERSHIP EXPERIENCE

**Innovision'22, Lead Organizer**

November 2022

- Actively contributed to the planning and execution of various educational and professional development events that enriched students' academic experience within the department and assisted in coordinating workshops, seminars, and guest lectures to provide students with insights into current industry trends, emerging technologies, and career opportunities while collaborating with faculty members, student organizations, and external partners.

**Youth Red Cross, Committee Member**

January 2020 – January 2024

- Actively contributed to various events like organizing and participating in initiatives like tree planting, providing assistance to orphaned children, fundraising for various causes like disaster relief and community development projects.

## Extra Curricular

- Cricket – Represented Tamil Nadu Cricket Association (TNCA), played for school and college team.
- Basketball – Represented the school team in inter-school tournaments.

