

# Vikram Srinivas Krishnamoorthy

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## EDUCATION

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- **University At Buffalo, The State University Of New York** Buffalo, NY  
*Master of Science in Management Information Systems; GPA: 3.89* July. 2023 – May. 2024
- **Anna University** Chennai, India  
*Bachelor of Engineering, Electronics and Communication* Aug. 2015 – May. 2019

## EXPERIENCE

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- **Pthinks, Client: Spacelabs Health Care** Bengaluru, India  
*Senior Software Developer* Jan 2022 - June 2023
  - **User Interface:** Designed Alarm Management User Interface for Patient Monitoring with reusable custom components and backend classes, thus improving the reusability of code.
  - **Dev Test:** Performed debugging and regression testing, wrote unit tests to check code functionality, ensured that software sent to production did not interfere with existing functionalities, cutting down bugs by 75%.
  - **Reviews:** Mentored 5 software developers in design documentation, code reviews, deployment, test case writing, and helped them gain more application and domain knowledge.
  - **Leadership:** Organized and trained 100+ software professionals from automotive and health care companies in using the QT QML framework for software and UI development.
- **Pthinks** Bengaluru, India  
*Software Developer Trainee* June 2019 - Dec 2021
  - **Waveform Drawing:** Conceptualized, engineered waveform plotting using openGL for multiple medical parameters with a 20% improvement in plotting efficiency.
  - **Embedded Device UI:** Executed a flexible user interface that can adjust to different screen sizes, catering to both embedded hardware and centralized hospital displays. Realized a 50% decrease in the deployment time of the user interface across multiple screens
  - **Back End:** Teamed up cross-functionally with the Firmware and Hardware teams to ensure efficient patient data transfer between the database and view
  - **Car Infotainment Dash Board:** Built a car infotainment system utilizing the Qt framework, where the user interface (UI) was crafted with QML, and the backend software was programmed using Qt and C++. Implemented the MVVM architecture to structure the project

## PROJECTS

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- **VPlay:** Conceptualized and engineered sports event management software solution. Indulged in creation of a prototype utilizing Figma, application development in Qt/QML and javascript.

## PROGRAMMING SKILLS

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**Languages:** C, C++, Python, Java, Javascript, SQL, Qt, QML, HTML, CSS

**Data Technology:** OracleSQL, Snowflake, PostGreSQL, Tableau, PowerBI, Talend, VBA, MySQL, AWS

**Tools:** Git, GitHub, Azure Devops, Jira, Linux, MacOS, Windows, Qt creator, VS Code, Docker, Word, Excel, Powerpoint, Outlook, Jira, Figma

## CERTIFICATION

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**Google:** Project Management Specialization, Data analyst Professional

**C++, Qt, QML:** QT Quick and QML Advance/Intermediate: Interfacing with C++(Udemy), Fundamentals of Accelerated Computing with CUDA C/C++(NVIDIA)

**Coursera:** Accelerated Computer Science Fundamentals(UIUC), Agile Development (IBM)

**Forage:** Software Development virtual Experience(JPMC), software Developer(Accenture), strategy consultant(BCG), Project Management(CBRE)

**Tableau:** Connect and Transform Data, Create and view Dashboard, Hands-On Data Warehousing Workshop(Snowflake)