

GOVARDHAN NARASIMHA MURTHY

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EDUCATION

Master of Science, Computer Science, University of Colorado Boulder

Aug 2023 - May 2025

GPA : 4.00 / 4.00

Coursework: Design and Analysis of Algorithms, Data Mining

Bachelor of Engineering, Information Science, R V College of Engineering

Aug 2017 - Jul 2021

GPA : 8.7 / 10.00

Coursework: Object Oriented Programming, Data Structures, Algorithms, Database Management Systems, Operating Systems, Computer Networks

SKILLS

Programming Languages

C++, JavaScript, Python, Java, Go, Dart

Technical Skills

MySQL, PostgreSQL, MongoDB, Node.js, Express.js, React.js, Next.js, GraphQL, Deno, AWS, Firebase, Docker, Qt-Qml, HTML, CSS, Flutter, Django, Spring Boot, NPM, Gradle, CMake, Mongoose, Sequelize, Jenkins, Git

EXPERIENCE

Software Engineer 2, Cisco, Bengaluru, India

May 2023 - Aug 2023

- Led a performance enhancement effort for the Adaptive Cards Framework which is used over 2 million spaces per day, improving rendering performance by 50% and reducing memory usage by 20% resulting in a significant improvement in user experience.
- Migrated Adaptive Card framework to Qt6 and CMake, increasing maintainability and ease of integration with CMake-based third-party C++ applications with CMake used by 2 million developers per month.

Software Engineer 1, Cisco, Bengaluru, India

Aug 2021 - Apr 2023

- Built a Webex feature for managing third-party apps with user and group level controls, and automated app refresh with the CatchUp API with frequency of 1 day with over 10000 users per day
- Designed and Implemented client-side code for Webex Embedded Apps used by 1 million users. Worked with Microsoft WebView to trigger SDK callbacks based on user interaction on the apps using C++.

Software Engineering Intern, Cisco, Bengaluru, India

Feb 2021 - Jul 2021

- Engineered Open Source Native Qt-QML renderer for Microsoft Adaptive Cards, used by over 50000 bots for data collection and validation.
- Built user interface for the Custom Apps feature in Webex, enabling organization administrators to add custom apps for their users.

PROJECTS

Social Media Back End: Built social media REST back end using Node.js, Express.js, and MongoDB, with user authentication, file upload/download, and content validation.

Online Food Ordering: Created a scalable and efficient front end for an online food ordering website using React and Redux, with features such as user validation, cart, ordering capabilities, and payment gateway.

Diabetes Prediction: Trained machine learning models to predict the risk of developing diabetes, using a variety of features such as demographic data and lifestyle factors. Achieved an accuracy of over 98% in predicting the risk of developing diabetes