

# GOVARDHAN NARASIMHA MURTHY

+1(720) 232-8247 ♦ Boulder, CO ♦ [ngovardhan566@gmail.com](mailto:ngovardhan566@gmail.com)

[Govardhan N Murthy](#) ♦ [linkedin.com/in/govardhan](https://www.linkedin.com/in/govardhan)

## EDUCATION

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**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: OOPS, Data Structures, Algorithms, Database Management Systems, Operating Systems, Networks

## SKILLS

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**Programming Languages** C++, JavaScript, Python

**Technical Skills** SQL, MongoDB, Node.js, Express.js, React.js, AWS, Firebase, Qt-Qml, HTML, CSS, Next.js, GraphQL, Deno, Flutter, Dart, Java

## EXPERIENCE

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**Software Engineer 2, Cisco, Bengaluru, India**

May 2023 - Aug 2023

- Led a performance enhancement effort for the Adaptive Cards Framework, 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.

**Software Engineer 1, Cisco, Bengaluru, India**

Aug 2021 - Apr 2023

- Built a new Webex feature that empowers organization admins to manage third-party app usage on a granular level, increasing customer freedom and flexibility, beta tested by Apple.
- Implemented client-side code for App Picker in Cisco Webex Meetings to enable collaboration, working with senior software engineers to consume Microsoft WebView APIs triggering JSSDK callbacks.

**Software Engineering Intern, Cisco, Bengaluru, India**

Feb 2021 - Jul 2021

- Engineered native Qt-QML renderer for Microsoft Adaptive Cards, enabling apps to request data instead of webpages, improving user experience and security.
- Built a user interface for the Custom Apps feature in Webex, enabling organization administrators to add custom apps for their users.

## PROJECTS

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**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.

**QR Code Scanner for Museum Collections:** Developed Android prototype application and Firebase-powered admin portal for Central Silk Board Museum to manage artifact data and provide visitors with detailed information digitally.

**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 95% in predicting the risk of developing diabetes