

# Chandan Ramaiah

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## EDUCATION

**Master of Science, Computer Science**  
The University of Texas at Dallas, TX, USA

Aug 2021 - May 2023 (expected)  
GPA: 3.67/4

**Bachelor of Engineering, Computer Science**  
B.M.S College of Engineering, Bangalore, India

Sep 2012 - June 2016  
GPA: 9.04/10

**COURSEWORK** – Design and Analysis of Algorithms, Database Design, Machine Learning, Big Data Management and Analysis, Real-time Operating Systems,

## TECHNICAL SKILLS

**Languages and frameworks:** Java, JavaScript, HTML, CSS, React, TypeScript, Python

**Tools and Technologies:** gRPC, MySQL, MongoDB, Git, Maven, Jira, REST API, Algorithms, Jenkins, Docker, Confluence, Heroku, Nginx, Postman, Agile methodology

## EXPERIENCE

**Amadeus North America, Inc.**

June 2022 – Present

**Software Engineer, Intern**

Dallas, TX

- Implemented API calls used in the SkySuite product through gRPC with a ~50% improvement in performance.
- Implemented a console application to demonstrate load balancing of gRPC calls in SkySuite through HAProxy.
- Implemented multiple console applications to decide between contract-first and code-first approaches for gRPC calls.
- Benchmarked gRPC performance against existing REST API calls.
- Working on automation of various UI workflows using in-house testing framework.
- **Technologies used:** C#, .NET, gRPC, REST API

**SonicWALL Technology Systems India Pvt Ltd**

July 2016 – June 2021

**Software Development Engineer (Full-Stack Developer)**

Bengaluru, India

Key member of the Global Management System (GMS)'s core product development team which specialized in rapid development of the products, involved in software design, implementation, testing, root cause analysis and customer issue resolution.

- **Report Migration** – Lead the project as the lead developer and migrated 50+ reporting screens to a feature rich JavaScript single page web application, improving UI responsiveness by ~60%.
- **Universal Scheduled Reports** – Designed and developed a web application, scheduling report generation improving ease of use by ~30%.
- **ConnectWise Manage** – Implemented integration of firewall data, alerts, and tickets with ConnectWise through REST API communication with Java, working with cross-functional teams resulting in certification for SonicWall.
- **Syslog Summarizer** – Implemented category-based summarization – an ETL process in Java, enhancing the feature and meeting customer expectations.
- Fixed multiple bugs improving product stability by ~50%.
- Received SPOT AWARD for immense contribution to the development of product at SonicWall Inc, in June 2019.
- **Technologies used:** Java, React, JavaScript, HTML, CSS, MySQL, MSSQL, MongoDB

## ACADEMIC PROJECTS

**Image Captioning using LSTM and RNN**

May 2022

- Developed a deep learning model to provide captions for a particular image by decoding the information available in the image. Obtained a training loss of 2.3 and BLEU score of 1.0.

**DART Transportation System**

Dec 2021

- Designed a database system, implementing a relational database for the **Dallas Area Rapid Transit** using Entity-Relationship diagrams, RDBMS schema and MySQL.

**Online Ice Cream Shop**

Dec 2021

- Designed and developed a full-fledged website for purchasing ice-creams online using React, Redux, JavaScript, HTML, CSS, Bootstrap for frontend development and Node, Express, MongoDB for backend development.

## ORGANIZATIONS

Volunteered as a Special Needs Teacher for U&I India.

June 2015 – June 2018