

# KRISHNA CHAITHANYA MARRIPATI

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## EDUCATION

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NC State University, Raleigh, NC

May 2025

Master of Computer Science

GPA: 3.88/4.0

**Coursework:** Design & Analysis of Algorithms, Software Engineering, Automated Learning & Data Mining, Computer Network Security, Human computer Interaction.

Osmania University, Hyderabad, India

May 2020

Bachelor of Engineering in Computer Engineering

GPA: 8.7/10

**Coursework:** Operating Systems, Computer Networks, Computer Organization & Architecture, Cryptography.

## SKILLS

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**Languages:**

Java, Go, Python, C/C++, Nodejs

**Databases and Operating systems:**

MySQL, Postgres, MongoDB, Cosmos DB, Windows & Linux

**Tools/Frameworks:**

Git, OpenAPI, Postman, AWS and Azure

## WORK EXPERIENCE

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Software Engineer 2, FactSet, Hyderabad, India

July 2022 - July 2023

*Full stack Developer*

- Led the development and implementation of an internal Service Catalog project that provided users with a self-service way to deploy custom-built Amazon Machine Images by adapting a mono repo style for the project.
- Improved the efficiency of the **DevOps** team by automating the deployment of code with **Terraform** modules.
- Created interactive full stack application using **vue.js**, **vuetify**, **Java Spring Boot** and **Postgres** to visualize data and improve decision-making and supported the team in reducing the issue tickets by 65%. Dockerized and deployed the application using AWS ECR and AWS ECS.
- Created and managed dashboards using **Amazon QuickSight**, incorporating **SPICE** data for swift queries.
- Oversaw data pipeline maintenance, ensuring seamless ingestion from various sources into SPICE dataset for enhanced stakeholder access to critical insights.

Software Engineer, Accellor, Hyderabad, India

Aug 2020 - Jun 2022

*Backend Developer*

- Developed a full stack application using **Node.js** and **Java** on **Azure Functions**, **Azure Api Management** for JWT authentication, **Azure repos** for source control and **CosmosDB** as persistent layer.
- Designed and developed **Java** classes to retrieve the availability of spaces for a specified time range under 200ms.
- Integrated Square as the primary payment gateway and added third-party services like Apple Pass and Google Pass for visitor management. Increased revenue by 30% by adding support for Card, POS terminal, Google Pay, and Apple Pay using **Java** SDK for square.

Analyst Deloitte

Jan2020–June 2020

*Intern analyst*

- Developed a **Python** based monitoring system to check network and server health for internal systems, thereby reducing testing time by 8 hrs. Planned and created a testing suite for the internal systems.

## PROJECTS

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**Port Scanner - A CLI tool for port scanning**

- Developed a command line tool to scan for open TCP ports on a remote host. Utilized the concept of TCP three-way handshake to avoid intrusion detection from the host system.