

# Chiranjeevi Medam

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## EDUCATION

### Master of Science, Software Engineering

Aug 2022 - May 2024

San Jose State University, San Jose, CA, USA

- Enterprise Software Platforms, Enterprise Distributed Systems, Data Mining, Enterprise Application Development
- CGPA : 3.9 / 4.0

### Bachelor of Technology, Computer Science

Aug 2016 - May 2020

PES University, Bangalore, Karnataka, India

- Data Structures, Web Technologies, Computer Networks, Introduction to Operating Systems, Big Data, Artificial Intelligence, Computer Network Security, Machine Learning, Cloud Computing
- CGPA :- 7.9 / 10

## TECHNICAL SKILLS

- Programming Languages: Python, C, C++, JavaScript, NodeJs, ExpressJs, ReactJs, HTML, CSS, MySQL
- Software/Technologies: Flask, MongoDB, JSON, AWS, GITHUB, Wireshark
- Operating systems: Windows, Linux/Unix

## CERTIFICATIONS

- Appian Associate Developer Certification (Oct 2021 - Mar 2023)

## EXPERIENCE

### Associate Application Developer, Novartis healthcare Pvt. Ltd, Hyderabad, India

Jan 2020 - Jul 2022

- Designed and built five technical solutions on the Appian BPM Suite based on business requirements.
- Maintained MySQL database, maintenance routes and safeguards to increase database performance.
- Developed REST APIs in Python utilizing Flask and hosted on AWS environment.
- Integrated Appian with external systems using APIs from "Automation Anywhere" to launch bots in third party systems.
- Implemented Java plug-in in Appian platform by extracting comments from word document using Apache POI library.
- Administered the Appian environment's version control and handled six upgrade cycles.
- Managed installation of MariaDB and migration from MYSQL to MariaDB in Appian environment.

## PROJECT EXPERIENCE

### Event Organisation Application, San Jose State University

Aug 2022 - Dec 2022

- Led a team of three students to build a website that tracks endangered animals and helps organize social events.
- Implemented discussion forum in application enabling 80 concurrent activists to start a conversation.
- Tools/Technologies: ReactJs, NodeJs, ExpressJs, MongoDB, Netlify, Render, Github.

### Matrix Reloaded, San Jose State University

Aug 2022 - Dec 2022

- Designed and implemented a true peer-to-peer application to reduce cost of matrix multiplication by distributing computations across several peers using strassen's algorithm.
- The system resulted in reduction of time by 45% for matrices size 100X100 or more against traditional approach.
- Tools/Technologies: Python (Socket Programming), Docker, AWS EC2, HTML, CSS, Bootstrap, JavaScript, Github.

### Hospital Management System, PES University

Jan 2019 - May 2019

- Developed a SaaS-based platform with functionalities such as sign-up, login and document store using flask.
- Leveraged existing libraries in Python to perform CRUD functionalities by integrating with MongoDB.
- Applied scalable microservice model to implement backend REST APIs using Python.
- Implemented container orchestration to conduct auto scaling and fault tolerance in AWS environment.
- Leveraged AWS Elastic Load Balancer to load balance between the EC2 instances to serve HTTP requests.
- Developed and automated six test cases on Robot framework to validate edge case scenarios in the application.

## AWARDS/ACHIEVEMENTS

- STAR performer of year: Received recognition among 400 employees at Novartis for overall contribution.
- eAvishkaar: Received award among 30 competing teams at Novartis in recognising innovation in performing project "Serial Product Tracking and Alert Management".