

# Sai Chandra Mouli T

Software Development Engineer

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## SUMMARY

Passionate software engineer with 3.5 years of experience developing and maintaining high-performance web applications. Skilled in designing scalable, user-centric solutions and leveraging AI for process automation. Strong background in building data pipelines, web technologies, and integrating microservices. Passionate about networks and excited to build user-centric solutions, drive innovation, and provide engaging experiences.

## TECHNICAL SKILLS

**Languages:** Java, Python, JavaScript, SQL, GoLang  
**Web Development:** ReactJS + Redux, Node.js, Express, HTML/CSS, Junit, Mocha  
**Backend and Data Pipelines:** Spring Boot, Flask, Apache Kafka, Airflow, Microservices Architecture, REST APIs  
**Cloud Containers:** AWS, Kubernetes (Familiar), Docker, OpenShift  
**DevOps Tools:** Git, Jenkins, Spinnaker, Quay, Splunk, Maven  
**Data Technologies:** MongoDB (Familiar), PostgreSQL, Data Build Tool, MicroStrategy BI  
**AI NLP:** Generative AI, LangChain, NLP Model Development, Ollama, Retrieval Augmented Generation (RAG)  
**Developer Tools:** Git, Docker, OpenShift, Maven, Splunk, Jenkins, Spinnaker, Quay, Ollama, JIRA

## EXPERIENCE

### Software Development Engineer

August 2021 - Present

*Cisco Systems*

*Bangalore, India*

- Led the design and development of a highly resilient BI reporting web portal using Spring Boot and Microservices on Kubernetes integrated with MicroStrategy Cloud, achieving **99.9% uptime** to support global Finance Management operations.
- Built NLP-driven solutions interfacing with Webex Bots for **data summarization, automating insights** for over **1,000 support cases per quarter**, aligning with end-user personalized experiences.
- Designed and implemented **real-time data pipelines** using Kafka, Python, and Airflow processing 100,000 financial records every day. Ensured **high-performance data processing** and data integrity for downstream analytics.
- Migrated 150+ legacy ETL jobs to a modern hybrid architecture, enhancing speed and **reducing process times by 50%**.
- Presented webinars on leveraging Generative AI and system automation using LangChain frameworks, aligning with emerging AI trends.
- Received various **Employee Connected Recognition appreciations** from peers for consistently providing assistance in achieving their project milestones.

### Software Engineering Intern

January 2021 - July 2021

*Cisco Systems*

*Bangalore, India*

- Developed an **auto-scaling, cloud ready** Kafka Consumer application to read data from multiple topics and process them into PostgreSQL database

## PROJECTS

### StreamLAND : A LAN based video streaming application built on HLS | *MERN, Docker*

2024-

- Objective:** To build a full-stack video streaming service for LAN devices in a client-server model.
- Solution:** Developed a dockerized full-stack application with NodeJS, React and Shaka (Google) package manager (transcoding).

### Bookings Forecast on Sales Opportunity Data | *Python, Flask, Angular, Machine Learning*

August 2024

- Objective:** To provide an idea for improving bookings forecast using a novel approach.
- Solution:** Developed a full-stack application that incorporates ML model to classify and predict more accurate bookings forecast and deal closure probability

<https://github.com/VICS-CORE/covid-api.git> (Collaboration project)

- **Objective:** To display statistics of available medical resources in India during COVID(District wise).
- **Tools:** Node.js, cron jobs in Linux
- **Role:** To write and deploy scheduled scripts which collect data from google spreadsheet and format them into structured JSON bodies with district and state-level aggregates.

### KeepHerSafe (IoT Project) | Android, Java, Python

2021

- **Objective:** An edge solution of an android application and a wristband to track, monitor and alert emergency contacts in case of abnormal bodily readings usually observed in tense situations. Designed for women to help identify if they encounter physical or mental challenges during daily activities.
- **Tools:** Android Studio, Firebase, NodeMCU, Sensors

### CERTIFICATIONS/ACCOLADES

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**Best of Finance IT - Ways of Working** award in recognition of outstanding contributions beyond expectations.

*Cisco Certified Network Associate (2018)*

*Apache Kafka Series - Udemy (2022)*

*Kubernetes Hands On - Udemy (2022)*

*Cisco Agile Fundamentals (2023)*

*Cisco Data Science - Generative AI Blue Belt (Intermediate) (2024)*

*LangChain RAG - Chat with your data*

### EDUCATION

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#### Amrita School Of Engineering, Amrita Viswa Vidhyapeetam

Ettimadai, India

*Bachelors of Technology, Computer Science and Engineering*

2017 - 2021

- Ranked 7th in CSE@Amrita in 2017-2021 batch with 9.52 CGPA.
- Chosen as the Technical Head of CSE and question setter for contest Figure-em-all in Anokha Tech fest 2020. (Amrita's Annual Technical Fest).
- Conducted workshops on various CyberSecurity topics and conducted competitions on exploiting vulnerable systems.
- Secured 1st runners-up in Honeywell SLAC Hackathon (August 2019) by working on a DL model for audio segregation using LSTM network with accuracy of 95%
- Chosen for attending ACM Summer School on CyberSecurity and Data Analytics at IIIT-Delhi in July 2019.
- Became elected Member of ASCII and CSI clubs of CSE Dept.
- Participated in CODEFEST-CTF by IIT-bhu(rank 109), AFFINITY CTF(rank 76 of 450) and many others under team EXPLOIT\_IT
- Contributed to NSS Amrita, Sahaya club for social service.
- Won AmritaNidhi scholarship for AEEE rank (AIR 399)

#### Narayana Junior College

Kakinada, India

*Andhra Pradesh State Intermediate Education Board — MPC*

2015 - 2017

#### Narayana e-Techno School

Kakinada, India

*Andhra Pradesh State Secondary Education Board*

2015 - 2017

### LANGUAGES

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- Telugu, Hindi, English