

# Phanidhar Sai Sravan Chandana

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## EDUCATION

### Master of Science in Computer Science

Expected Dec 2024

San Jose State University, San Jose, CA

GPA: 4.00/4.00

- Coursework: Databases, Distributed Systems, Web Development, Machine Learning, Parallel Programming

### Bachelor of Technology in Computer Science

May 2021

Amrita Vishwa Vidyapeetham, Bengaluru, India

GPA: 3.50/4.00

- Coursework: Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Computer Networks, Computer Architecture, Distributed Systems.

## TECHNICAL SKILLS

<b>Languages:</b>	Java, Javascript, Python, C, C++, Typescript, HTML, CSS, Shell, Bash, SQL, R
<b>Web Development:</b>	ExpressJS, React, REST APIs, Web Sockets, Springboot, NodeJS
<b>Databases &amp; Cloud:</b>	MongoDB, MySQL, Docker, AWS
<b>Frameworks:</b>	Playwright, REST Assured, Selenium, CI/CD tools (Jenkins), Junit, TestNG
<b>Tools:</b>	Gradle, Maven, Github, Perforce (P4V)

## WORK EXPERIENCE

### Software Development Engineer Intern, Informatica, Redwood City, USA

May 2024 - Aug 2024

- Contributed to the design and implementation of a robust conversation session management service using **Java**, **Spring-Boot**, **MongoDB** and **WebSockets** to handle over **100,000** active sessions daily within a **microservices** architecture.
- Leveraged **Redis** for session management and utilized its Pub/Sub capabilities along with **Kafka** for distributed message brokering, maintaining high availability and ensuring real-time data consistency across distributed WebSocket servers.
- Optimized backend APIs by implementing **GraphQL** for more efficient data retrieval, alongside caching mechanisms and **NoSQL** Query Optimization, resulting in a **50%** reduction in latency and a **30%** increase in throughput.
- Developed **Automation Frameworks** using **Javascript**, and **Java** that carried out end-to-end API testing, UI testing and provides vertical and horizontal coverage.

### Software Engineer, Informatica, Bengaluru, India

Jan 2021 - July 2023

- Developed scalable applications using **Java**, **SpringBoot**, **React**, and **MySQL** for **Cloud Data Migration**, automating the conversion of assets and increasing data migration efficiency by **70%**.
- Refactored the O2N codebase in SpringBoot and React, achieving a **50%** faster server response time, resulting in a **15%** boost in user retention due to improved performance.
- Engineered **CI/CD** pipelines using **Jenkins** across multiple microservices to ensure product stability and early detection of performance bottlenecks in the SDLC.
- Collaborated with cross-functional teams to successfully design and build **REST APIs** using **Object Oriented Programming**, to assess asset convertibility which eliminated the need for manual verification and resulted in a **60%** time reduction.
- Developed 3 reusable components in **React** which helped to reduce bundle size by **10%**, and are used across Informatica products.

## ACADEMIC PROJECTS

### NLP Based User Authentication through Mouse Dynamics

(Python, Keras, Pandas, NLP)

- Implemented a novel user authentication framework that utilized machine learning techniques to identify users based on their unique mouse behavior, enhancing the security of digital services.
- Devised a unique approach combining embedding extraction using Transformer models, such as BERT, RoBERTA, DistilBERT, and ALBERT, with Recurrent Neural Networks (RNN), including LSTM, GRU, and BiLSTM and achieved an accuracy of **91%**.

### Movie Booking Application

(NodeJS, Express, React, MongoDB)

- Spearheaded a team of 4 and engineered a movie booking web application using NodeJS, Express, React, and MongoDB.
- Optimized website performance using Redis caching service and effectively handled concurrent requests from a user base of over 10,000 through load-balancing techniques.

## ACHIEVEMENTS & AWARDS

**Think Customer First INFA Star Award:** Highest Informatica Organization Award.

**Publication:** Detection of Malicious URLs in Twitter, IEEE, ICSES 2021.

**CodeChef DSA Certification:** Industry-ready certification testing Data Structures and Algorithms.