

# Chaytavya Anantha Sairam Garikapati

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## EDUCATION

### University of Missouri - Kansas City, USA

Master of Science in Computer Science

GPA: 4.0/4.0

August 2023 - December 2024

### SRM University -AP, India

Bachelor of Technology in Computer Science and Engineering

CGPA: 8.8/10

August 2017 - May 2021

## TECHNICAL SKILLS

**Programming & Core:** Python, Java, C, JavaScript (Node.js), Algorithms & Data Structures, OOP

**Databases & Cloud:** MySQL, Microsoft SQL Server, MongoDB, Google Cloud Platform, Azure DevOps

**Web Development & Frameworks:** Spring Boot, Spring MVC, Spring Data JPA, React, Redux, Kubernetes

**Tools:** Git, Docker, Jira, Agile methodologies, HTML, CSS, REST APIs, Linux/Unix, Bash scripting

**Operating System & Libraries:** Windows, Ubuntu, Sklearn, Pandas, Numpy

## WORK EXPERIENCE

### Software Engineer

Aldi.com, Dallas, USA

(6 months) January 2025 - Till now

- Driving significant user engagement (19%) and API performance improvements (23%) through expertise in React for responsive UIs and Java/Spring for scalable back-end development.
- Delivering end-to-end project solutions by seamlessly integrating front-end and back-end technologies and deploying/managing applications on AWS and GCP, resulting in an 11% infrastructure cost reduction.
- Streamline development and deployment processes by implementing CI/CD pipelines with GitHub Actions and ensuring application reliability through robust error handling, security integration (OAuth2/JWT), and effective issue resolution in production.
- Contributing throughout the Software Development Lifecycle (SDLC), from design to deployment and testing, within an Agile (Scrum) environment, leveraging Java, Spring Boot, RESTful APIs, and microservices architecture.

### Graduate Software Engineer

UMKC, Missouri, USA

(1 years) January 2024 - December 2024

- Proficient in React, building responsive and user-friendly interfaces, resulting in a 19% improvement in user engagement metrics on recent projects.
- Experienced with Node.js and Python, developing robust and scalable server-side logic, leading to a 23% reduction in API response times.
- Expertise in integrating front-end and back-end technologies, streamlining development processes and delivering complete project solutions.
- Skilled in deploying and managing applications on cloud platforms (AWS, GCP), achieving a 11% decrease in infrastructure costs.

### Digital Specialist Engineer

Infosys, Telangana, India

(2 years) September 2021 - August 2023

- Gained valuable experience in developing and deploying a full-stack web application using Spring Boot for the backend and React for the frontend.
- Developed user interfaces and features for the application's frontend using React, applying concepts like component-based architecture, data binding, and component interaction.
- Enhanced the user experience of a support application frontend using React. Optimized key React components, leading to a 17% improvement in page load times for frequently accessed support pages.
- Implemented more intuitive UI elements and improved form handling in React, resulting in a 3% decrease in the average time users spent submitting support tickets.
- Successfully implemented core features, integrating RESTful APIs and applying Spring Boot's auto-configuration capabilities to streamline development.
- Collaborated with senior developers to optimize the application for performance and scalability.
- Developed and integrated RESTful APIs using Spring Boot to connect the frontend and backend components of the application.

- Learned to utilize Spring Data REST to simplify data access and explored API documentation tools like Swagger.
- Assisted senior developers in migrating a legacy application to a microservices architecture using Spring Boot and Spring Cloud.
- This migration resulted in a 29% reduction in response times and improved application resilience and scalability.
- Contributed to the development of individual microservices and gained exposure to containerization technologies like Docker and Kubernetes.

### **Automation Testing with UFT and HC FACETS - Internship**

*Cognizant Technology Solutions(CTS), Telangana, India*

*(6 months) February 2021 - July 2021*

- Utilized HC Facets data for test data management and automation. Developed test cases to validate HC Facets functionalities through UFT.
- The project I worked on is MCart, where I have developed and executed data-driven test cases using Excel integration. Also, skilled in VBScript for scripting, custom functions, and object manipulation. Experienced in implementing checkpoints for test validation and quality assurance.

### **Application Development - Internship**

*CCC Digital, Andhra Pradesh, India*

*(3 months) May 2019 - July 2019*

- As this is my first industrial experience, I have learned many things regarding application development using ZOHO (especially with ZOHO CRM) and also learned more about Deluge scripting.
- ALeveraged Deluge to architect a scalable CRM system on the Zoho platform, handling a deluge of data with efficiency and accuracy

## **PROJECTS**

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### **• Project 1: Cloud Based Leave Application**

My objective here is to provide an application for both students and professors that allows students to request leaves and faculties to make decisions (approve/reject). The information will be kept in a PHPMyAdmin database(MySQL and MariaDB databases). I have created an application for the same with the help of PHP, JavaScript, HTML, and CSS. I have deployed the application into the cloud -Google Cloud Platform (GCP). I have created a dynamic application, not a static one. I have created an instance in cloud and installed xampp into the instance and deployed the application to the cloud with the help of filezilla and PuTTYgen. At last, I tested the external IP address that is generated for the instance and it worked good with logic's and loaded all the pages that I have created.

### **• Project 2: Detecting phishing web pages**

Phishing websites are web pages that steal user data by masquerading as legal entities. The collected data which include user credit card details, email address passwords along some other personal information are used for their own benefits without the user's consent. In this project, I have used certain machine learning techniques (Random Forest, SVM, Decision Tree) for analyzing, wrote the logic's in python, pre-processed the data for classifying whether the given URL is a legitimate one or a phishing site based on certain features/properties of the web pages. My aim is to classify the given URL as a legitimate one or as a phishing one and does not involve alerting the user about the phishing sites and the malicious threats the site may offer. So, I have used machine learning algorithms and created a webpage to solve the problem.

### **• Project 3: Cloud Storage Cost Optimization**

Cloud cost optimization is the process of reducing your overall cloud spending by identifying mismanaged resources, eliminating waste, reserving capacity for higher discounts, and right-sizing computing services to scale. It is implemented using "STaaS", a cloud computing model. In brief, we created multi-tiered cloud storage services that offer various tiers, such as hot and cold tiers and are characterized by different attributes like access latency, cost, throughput, and storage costs. Based on these the cloud storage cost is optimized.

## **CERTIFICATIONS**

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- Two certificates from Coursera for completing Google Cloud with Google Cloud Platform (GCP).
- One certificate from JPMorgan Chase & Co. for completion of Software Engineering.
- Two certificates from Infosys for completion of "SAP Commerce Developer" and "Python Associate".
- One internship certificate from CCC Digital. One Udemey certificate for completion of ZOHO Creator Series
- One internship certificate from CTS.
- One Research-A-Thon certificate from UMKC School of Science and Engineering.