

Sravya Chandolu

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EDUCATION

California State University, Fullerton, CA, USA

January 2023

Master's in Computer Science

GPA: 3.8 / 4.0

Academic Expertise: Advanced Algorithms, Distributed and Parallel Systems, Web Backend, Adv. DBMS, Software Design and Architecture, Networking

TECHNICAL LEADERSHIP ROLE: Graduate Teaching Assistant

January 2024 - Present

Instructing CPSC 223P Python programming to a group of 40 students. My responsibilities encompass delivering lectures, grading assignments, and resolving students' doubts

SKILLS:

Object-Oriented programming languages: Java, Python

Frameworks & libraries: JavaScript, React, Next.js, HTML, CSS

Backend: MySQL, Supabase, Async Storage, Node.js, Nginx Load Balancer

Development Tools: Microsoft Power BI, Git CLI (source control), Docker, Kubernetes, GCP, AWS cloud, VSCode IDE

ACADEMIC PROJECTS

Academic Performance Prediction System | Major Project

July 2022

- Developed 'AugmentED,' a machine learning system with 96% accuracy in predicting student performance using Random Forest and LSTM algorithms, complemented by interactive visual feedback.
- Tech stack: HTML, CSS, Python (coding)

A Big Data Analytics Approach: CARDIOVASCULAR-DISEASE-PREDICTION | [Link](#)

March 2023

- Developed a CVD risk prediction system using Google Cloud Platform (GCP), Dataproc, Big Query, and Apache Spark.
- Achieved 67% accuracy by preprocessing data, performing feature engineering, and training a Random Forest Classifier model. Demonstrated Spark's capabilities in handling large-scale healthcare data.
- Tech Stack:** Google Cloud Platform (GCP), Apache Spark, Matplotlib, pandas, Seaborn

Python GUI App to Analyze Sorting Algorithms | [Link](#)

November 2023

- Engineered a simple Python GUI using PyQt5 to define and visualize efficiencies and execution times of all the sorting algorithms
- Tech stack:** Python (programming language), PyQt (to design UI), matplotlib (visualization)

Scalable Backend System with Secure Authentication | [Link](#)

April 2024

- Designed a highly scalable e-commerce platform with Google OAuth integration, Nginx load balancing, and Redis caching, resulting in a 20% faster response time. (improving IT infrastructure Telemetry rate)
- Managed databases using MySQL/SQLAlchemy and validated functionality (testing) via Postman and Redis CLI.
- Tech Stack:** HTML, CSS, JavaScript, Redis, Nginx, Google OAuth, Flask, RestfulAPI, MySQL, Postman

PROFESSIONAL EXPERIENCE

Dupont

January 2022 - June 2022

IT & P Early Career Intern, Data Analyst | Hyderabad, India

- Actively contributed to the Developer - Security Dashboard Project.
- Led the implementation of Incremental Refresh Proof of Concept (POC).
- Collaborated effectively with cross-functional teams, suggesting and updating data dashboards daily.
- Tools Used: Microsoft Power BI, MySQL, SAP Analytics Cloud (SAC), SAP HANA

Salesforce

August 2022 – December 2022

Associate Technical Support Engineer | Hyderabad, India

- Successfully completed comprehensive training in the Service Cloud domain.
- Gained valuable expertise in diagnosing, troubleshooting, and resolving customer issues promptly.
- Utilized knowledge of CRM fundamentals, Lightning Web Components (LWC), and flows to optimize user experiences

OTHERS

Certifications: Salesforce Certified Administrator (SCA) (2022), Docker Essential LinkedIn Learning (2024)

Publications: Published 'Academic Performance Prediction' major project in JES Publications on June 7, 2022.