

Anvitha Chegu Ashokkumar

linkedin.com/in/anvitha-chegu
github.com/CAAnvitha

Email :anvitha.ca@gmail.com
Mobile : 213-431-9741

EDUCATION

- **University of Southern California** Los Angeles, LA
Masters in Computer Science; GPA: (3.65/4.0)
Courses: Analysis Of Algorithms, Web Technologies, Database Management System
Aug 2022-May 2024
- **Dayananda Sagar College Of Engineering** Bangalore, India
Bachelor of Computer Science; GPA: (9.54/10.0 - First class with distinction)
Courses: Machine Learning, Data Science Quantitative Techniques
Aug 2016-May 2020

SKILLS

- **Languages:** C, Java, Python
- **Frameworks:** SpringBoot, ReactJS, NextJS, Angular, Flask, Django, Elastic Search, Kibana, Camunda, Docker, GIT, Docker
- **Databases & Message Queues:** MySQL, MongoDB, Firebase, Redis, Kafka
- **Machine Learning:** Keras, TensorFlow, OpenCV, Pandas
- **Cloud Technologies:** Amazon Web Services, Google Cloud Platform

PROFESSIONAL EXPERIENCE

- **Perfios Software Solutions | Senior Software Engineer(Full-time) | Bangalore, India** Jul 2020-Jul 2022
Created backend and frontend services of web application for 3 Fintech products - Medclaim Insurance Tech, Data Processing Application, and Cross Analysis.
 - **Medclaim Insurance Tech:** Designed architecture of product for processing medical insurance bills applying Spring state machines and contributed to product migration from core Java to new architecture, resulted in a performance increase by 20%. Constructed metrics graphs deploying Elastic Search and Kibana for overall product performance, efficiency analysis, and monitoring machine learning models integrated into product. Developed pipeline operational tools making use of Kafka, Redis and Minio, and Frontend Components with ReactTS and ReactKonva.
 - **Data Processing Application:** Worked on features for automatic generation and intelligent structuring of outputs from OCR engines Abby and Tessaract as part of automated financial documents processing application.
 - **Cross Analysis:** Developed customer-facing frontend for web application implementing ReactJS, allows user to add org specific details required for processing bank statements, salary slips and financial statements.
- **Perfios Software Solutions | Software Developer Intern (Full-time) | Bangalore, India** Jan 2020-Apr 2020
AIDE: Implemented backend of AIDE, Agent Driven Intelligent Data Extraction, a web application using Spring Framework, MySQL, and Kafka. Increased User Experience by 30% by applying innovative ReactJS components to overcome UI challenges.
- **Nokia | Mentee | Bangalore, India** Jul 2018-Dec 2018
Learning Tool: Designed an Andriod application leveraging Augmented Reality as a learning tool to demonstrate mobile networking handoff concepts between cell towers utilizing Unity and Vuforia.

ACADEMIC PROJECTS

- **Automated Video Annotation for class Monitoring** Jan 2020-Apr 2020
Conceptualized, built, and trained a Deep Learning Model applying Keras and OpenCV to recognize and classify Human Object Interactions (HOI) for monitoring classrooms to recognize and annotate various activities to detect anomalous behavior in a video surveillance system.
- **Small Business Management Application** Aug 2017-Dec 2017
Constructed an Android application utilizing Java and Firebase to assist owners of small-scale businesses in inventory management, task assignment to workers, and other routine activities. Application also facilitated seamless communication for a more efficient operation of business. Leadership and Involvement.

LEADERSHIP & INVOLVEMENT

- Worked for Robotics and Coding Academy as Robotics Tutor and taught around 60 students of class 4,5 Nov2022-Present
- Volunteered as a Math teacher at Evidhyaloka, Bangalore-based NGO, India. Led and coordinated with a team of 10 people during Covid19 pandemic to ensure school students in rural areas in India can attend online classes. Sep 2020-Apr 2021
- Student Road Show Finalist at Nokia Day at Nokia, Bangalore, India. Oct 2019
- 1st Runner up among 52 teams in Actions on Google Hackathon. Created a chatbot to help Indian farmers to better manage crops and plan for planting and harvest season. Oct 2018