

SAI ANUSHA MALLAKUNTLA

602.625.5121 | smallaku@asu.edu | www.linkedin.com/in/saianusha-mallakuntla-0150bb203

EDUCATION

Master of Science - Computer Science Engineering

Graduating May 2023

Arizona State University, Tempe, AZ

GPA 3.33/4

Coursework: Foundations of Algorithms, Foundation of Machine Learning, Data Processing at Scale, Mobile Computing, Info assurance and security, Semantic Web Mining, Principles of Programming Languages, Operating systems and Data structures and Algorithm

Bachelor of Engineering - Electronics and Communication Engineering

Graduated May 2017

Osmania University, Hyderabad, India

GPA 8.43/10

TECHNICAL SKILLS

Programming Languages & Tools: ,Python and specific libraries(Pytorch, numpy, pandas, scikit learn, keras), Matlab, SQL, Spark Sql, C,C++,MS Office Tools

Hardware description/Markup languages : Verilog, System Verilog, HTML, XML.

Tools: Git,Design Compiler

Techniques: Data Structures and Algorithms, Business Intelligence,Data Processing at Scale,Classification, Web Mining,Spreadsheet Engineering,Android application Development, Machine Learning, Regression.

EXPERIENCE

Workforce Management for Xampler

Dec 2019 – Dec 2020

- Workforce Management (WFM) encompasses all the activities needed to maintain a productive workforce. Under the umbrella of human resource management, WFM is part of ERP systems.
- Took care of time and attendance tracking of employees. This can be done using RFID reader and RFID tags. Worked as developer in delivery of multiple ERP projects e.g: ITC Infotech, TATA, Insights Global e.t.c .Involved in Coding Entity Engine, writing of Action Classes, ofbiz controller and component file.

Payroll Management

Nov 2017 – Dec 2019

- Maintain all the details of Employees in the payroll module. It helps to maintain the data related to payments of the employees.
- Involved to Develop Restful web services.

GPS Project Intern, Bharat Dynamics Limited, Ministry of Defence, Hyderabad, India

Jun 2016 – Jul 2016

- This system allows you to track your vehicle anytime and anywhere using SIM.
- It provides location and time information in all weather conditions, anywhere on or near the Earth.

VLSI Intern, ECIL, Government of India, Hyderabad, India

Jun 2015-Jul 2015

- VLSI training for the technical department of ECIL
- Used VLSI for integrated voice terminals.

COURSE PROJECTS

Project for taxi firm service availability:

Nov 2021-Dec 2021

- A major peer-to-peer taxi cab firm team develops and runs multiple spatial queries on their large database that contains geographic data as well as real-time location data of their customers using Spark sql. In first phase ST_Contains and St_within are used in Range query, Range Join query, Distance query and Distance join Query.
- In the second phase, Hot spot analysis along with Hot zone analysis and Hot cell analysis are done. The goal of the project is to extract data from this database that will be used by your client for operational (day-to-day) and strategic level (long term) decisions.

Design and implementation of fast jot:

Mar 2017-May 2017

- A major project done in VLSI lab using Raspberry pi, Microphone, webcam, even an android app with a different set of predefined commands is built.
- A global Real-Time Network enables software developers to rapidly build and scale real-time apps by providing the cloud infrastructure, connections and key building blocks for real-time interactivity.

GPS based vehicle tracking system:

Jun 2016-Jul 2016

- A minor project built on a vehicle to track the location using the kband at Bharat Dynamics Limited, Hyderabad.
- The device ensures vehicle security and smooth fleet management.

INDIVIDUAL PROJECTS

Handwritten Image Detection with Keras using MNIST and Fashion MNIST data:

Nov 2021-Dec 2021

- Wrote the CNN Model in keras. Trained the model with more than 70,000 images and tested it on 25,000 images.
- Achieved a test accuracy of 93% with the created model.

Covid Symptom Collection Android Application:

Jan 2022-Feb 2022

- Developed an application that collects COVID-19 related symptoms and stores them in a database in the smartphone.
- Calculated Heart rate sensing and respiratory rate measurement to calculate the symptoms of COVID-19.