

# SAHITH REDDY PEDDIREDDY

MASTER OF SCIENCE – DATA SCIENCE

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## EDUCATION

### INDIANA UNIVERSITY, BLOOMINGTON, IN

May 2023

- Master of Science – Data Science

### GURU NANAK INSTITUTIONS OF TECHNICAL CAMPUS, HYDERABAD

September 2020

- Bachelor of Engineering – Computer Science and Engineering
- GPA - 3.5/4.0

## TECHNICAL SKILLS

<b>Technologies</b>	: Python, Java, SQL(MySQL), File maker Technology
<b>Databases</b>	: POSTGRESQL, NOSQL
<b>Web Technologies</b>	: HTML, CSS
<b>Art Technology</b>	: Adobe Photoshop, Adobe Premiere Pro, Illustrator

## WORK EXPERIENCE

### DSIG IT SOLUTIONS, HYDERABAD, INDIA

JULY 2020 - JULY 2021

Associate Software Engineer

- Processed various unstructured health care datasets, implemented descriptive visualization and predictive tasks with a goal to study and improve consulting strategy for marketing mix and sales prioritization.
- Handled backend database configuration and provided full database tier support to all phases of software development.
- Assisted in mining data from SQL database that was used in several significant presentations.
- Responsible for Maintaining the integrity of the SQL database and resolving any issues regarding the database.
- Extracted, Compiled, and tracked data and analyzed data to generate reports and involved in Analysis, Design, and implementations for database.

### OSTILLO, HYDERABAD, INDIA

MAY 2019 - JULY 2019

Intern

- Worked on running of web and application server in the cloud to host dynamic websites.
- Implemented secured storage of files on the cloud and worked on different instances of AWS.
- Developed enhancement that improved web functionality and responsiveness.

## ACADEMIC PROJECTS

### Abnormality Detection of Bone X-Ray

September 2021 – December 2021

- Using the prominent MURA dataset, I attempted to predict abnormalities in the radiograph of the Wrist Image research group
- A DenseNet-169 model with varied dense blocks and transition layers was implemented.
- Cohen's Kappa and the Confusion Matrix were used to assess the model. The loss function was also Weighted Binary Cross Entropy

### Dynamic Cloud Resource Allocation Based on Demand Uncertainty

January 2020 – July 2020

- It provides scalable resources for high performance industrial applications.
- Worked on the project as Tester. Performed Unit, Functional, Integration Testing on all the modules.

### Cloud Based Hall Booking System

September 2019 – December 2019

- Developed a web application with two modules Manager and Client, where manager will register the clients and provide vacant halls. Clients can log in with a valid registration number and password.
- Worked on the project as Tester. Performed Unit, Functional, Integration Testing on all the modules.

## ACHIEVEMENTS

- Published a paper on “Applications of Artificial Intelligence in Machine Learning”.
- Built a Machine Learning model which performs Image Classification on Antigen Covid Tests.
- Qualified for top 50 in Asian Epic Games Esports Tournament.