

# Harsha Duddu

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## Education:

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<b>Master of Science:</b> Computer Science, Georgia State University	August - 2021-Present	GPA-
<b>Bachelor of Technology:</b> Computer Science, GITAM University	2014-2018	GPA-3.9
Coursework: Advanced Algorithms, Artificial Intelligence		

## Technical Skills:

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Programming Languages	: Python, Java, C, R
Data Visualization libraries and Tools	: NumPy, Pandas, Matplotlib, Seaborn, Tableau, Qlik, MS Excel
Database Technologies	: MS SQL, MySQL, Microsoft SQL Server integrations Services
Operating Systems & Others	: Windows, Linux, AWS, MSBI Tools, HTML, MS Office

## Professional Experience:

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<b>Georgia State University, Atlanta, GA</b>	<b>August 2021- Present</b>
<i>Graduate Teaching Assistant</i>	

- Teaching Classes and recitations for Data Structures course to a class of 60 students.
- Evaluating grades and curating solutions to the problems and helping students by conducting sessions.

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<b>Deloitte USI (US offices India), Hyderabad, India</b>	<b>July 2018 - August 2021</b>
<i>Risk and Financial Advisory Software Engineer 2</i>	

- **Machine Learning Model development:**
  - Created machine learning models to predict the target variables with an accuracy of 90%.
  - Utilized python and R programming languages to build the model.
  - Worked on linear regression, random forest, and support vector machine models.
- **Rest API development:**
  - Created a Rest API to extract the raw data from the in-house database.
  - Achieved 90% reduction in manual work and automated the process to refresh data multiple times.
  - Created solutions to read the data from Rest APIs and built a relational database.
- **Data Engineer:**
  - Key responsibilities were Data Analysis, Data Profiling, Data Cleaning, Data Migration, Data Integration, Metadata Management Services
  - Implemented SSIS, SSRS using Microsoft Business Intelligence development studio and SQL Server data tools such as ETL for extracting data from multiple sources to create integrated views using Qlik.

## Academic Projects:

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<b>Trend Analysis Through Elicitation of Trending Tweets</b>	<b>July-2017 to March-2018</b>
<ul style="list-style-type: none"><li>• Clustering of the tweets as they emerge using data mining techniques and summarizing the cluster.</li><li>• Utilized Twitter API to extract the live tweets and k-nearest neighbor's logic for clustering the tweets</li></ul>	

## Certifications:

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1. AWS Certified Solutions Architect - Associate
  2. Python Bootcamp: Go from Zero to Hero (Udemy)
  3. Intro to Machine Learning (Kaggle)