

Thejeswar Reddy Narravala

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EDUCATION

Illinois Institute of Technology

Chicago, USA

Computational Decision Science and Operations Research/Masters Degree

May 15th, 2021

- GPA: 3.625/4.0, Coursework : Machine learning in Finance, Monte Carlo Methods in Finance, Analytics in Decision making, Probability and Statistics, Linear Optimization, Machine learning, Data structures and Algorithms, Game theory and Applications, Advanced Database Organization

SASTRA University

Thanjavur, India

Information Technology/Bachelor's Degree

Sep 11th, 2016

WORK EXPERIENCE

Illinois Institute of Technology

Chicago, USA

Graduate Research Assistant (<https://sites.google.com/iit.edu/cdsl/home?authuser=0>)

Jan, 2021 - to present

- Created a SEIAR compartment model with mobility network to analyze the covid-19 spread and predicted the infections using fitting algorithms for different counties/states in the USA and India.
- Implemented the air travel data, social distancing metrics in the compartment model which increased the accuracy of the model to 70%
- Built an interactive, dynamic website for the users to tweak the parameters for different variations of virus spread using Dash Plotly in python (<https://sars-covid-tracker-india.herokuapp.com>)

Squadd, Inc

Chicago, USA

Data Analyst Intern

Jan, 2021 - April, 2021

- Engineered the Matching algorithm using machine learning to group users with similar interests and accelerated the business value for the company.
- Interacted with stakeholders to understanding of the business objectives and gather functional requirements
- Analyzed the data from Hotjar, Google Analytics and Facebook Pixel collectively to make recommendations for attracting more users by using effective Tableau visualizations to support it.
- Extensively worked on Tableau Desktop, by creating Complex reports & Dashboards and helped identify trends, correlation and patterns in complex data using data mining in tableau.

Technical Consulting and Research

Connecticut, USA

Data Analyst Intern

Aug, 2020 - Dec, 2020

- Automated the process of collecting and compiling the data in R language which accelerated the project pace and were able to implement extra features.
- Performed data mining, data cleaning on the data scraped from the web and connected multiple data sources using data blending, unions and joins in tableau.
- Analyzed the collected data using statistical inferences and developed different visualizations using bars, lines, scatter plots, bubbles and histograms based on the requirements.
- Tested Dashboards to ensure data was matching as per the business requirements and if there were any changes in underlying data.

LEADERSHIP EXPERIENCE

Tata Consultancy Services

Chennai, India

SQL Developer

Jun, 2016 - Jul, 2019

- Coordinated database project of 4 members to implement new change requests with Triggers, Error handling and creation of new tables and views.
- Developed 30 new features using database objects like Tables, Views, Synonyms, Procedure, Trigger, and Functions which resulted in better performance and decreased the 60% of time with boosted client satisfaction.
- Designed an Automation Framework for Database in VB Script; amplified 90% of quality unit testing and conserved 50% of time

SKILLS

Programming Skills: Python, R, Java, C++, HTML, CSS, Javascript

Technology Skills: Advanced Excel, Tableau, Google Data Studio, Power BI

Database Skills: Oracle, SQL, PL/SQL, MySQL

Tools: MATLAB, Git, AWS, Jira