

Sai Ravella

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Work Experience

Research Intern IIT

IIT Research Institute - Roorkee, Uttarakhand

July 2021 to May 2022

- Analyzed a set of algorithms and tested them under given parameters to determine the efficiency of algorithms when looking for different conditions
- Mapped the process (Value Stream Mapping), causes were listed (Fish- Bone Diagram), Root cause Analysis (RCA) was done.
- An improvement plan was made, Pilot run was done, later the results were evaluated.

Tools: Python, C++, Java

Research Intern (Applied Machine Learning and Data Science) IIT

Sentiment Analysis of Twitter Tweets using Deep Learning - Kanpur, Uttar Pradesh

July 2020 to May 2022

- Worked with a team of interns to analyze datasets of Twitter Tweets and create NLP program to identify emotional response.
- Conducted detailed analysis, factoring attributes such as behavior.
- Studied and analyzed “as-is” current processes and mapped future Processes through Business Process Modelling, whilst introducing process improvements.

Intern C-HIT

Business Development Department - C-HIT

August 2019 to May 2022

- Lead a team with interns to redesign the company website.
- Performed Comprehensive data analysis on the designs using advanced Microsoft tools and produced data- driven insights on trends and patterns which helped to improve the current design.
- Established social media awareness and created plan of action and activities for the company booth at an upcoming Healthcare Conference

Education

Bachelor's Degree in Computer Science

University of Maryland - College Park, MD

August 2019 to May 2023

Skills

- Java

- Python
- C
- Ruby
- Rust
- MATLAB
- R
- Swift
- C++
- SQL
- Sentiment analytics
- Microsoft Excel
- Power BI
- Spanish
- Data mining
- Natural language processing
- Process mapping
- Value stream mapping
- Agile
- Microsoft Powerpoint
- Data visualization
- JavaScript
- Research
- Microsoft Word
- Writing skills
- Communication skills
- Databases
- Data science
- Scripting
- Business development
- Machine learning
- Data analysis skills
- English
- Algebra
- Deep learning
- Root cause analysis