

# SREEHARI THOTA

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## EDUCATION

Saint Louis University	Expected 2024
<b>Master of Computer Science</b> , Cumulative GPA: 3.82/4	
Subjects: Machine Learning, Principles of Software Development, Algorithms, Database, Computer Networks, Artificial Intelligence, Natural Language Processing.	
Institute of Aeronautical Engineering	2017 - 2021
<b>Bachelor of Mechanical Engineering</b> , Cumulative GPA – 8.84/10	

## SKILLS

Technologies	Web development, MS Excel, MS PowerPoint.
Languages	Python, Shell Script C++, Java
Databases	SQL, MSSQL.
Cloud	AWS
Tools/frameworks	Git, React.js, JIRA, CircleCI, Jenkins, Docker, Linux, Tableau.
Soft Skills	Communication and Team Management, Time Management, Critical Thinking.

## PROJECT EXPERIENCE

Clinical Trials Office Database developer - Team Lead	2023
SLU School of Medicine Clinical Trials Office	
<b>Technologies Used:</b> Reactjs, MSSQL, Flask, Jupyter Notebook.	
<ul style="list-style-type: none"><li>Developed and implemented a robust Clinical Trials Data Tracking System, migrating critical information from Google Sheets to an MS SQL Server database using Jupyter Notebook for data accuracy.</li><li>Utilized React for an intuitive front-end, Flask for a resilient backend, and MS SQL Server for efficient database management, implementing RESTful APIs for real-time data updates and dynamic reporting.</li><li>Enhanced user experience by designing an interactive front-end in React, facilitating easy tracking and information updates.</li></ul>	

## PROJECTS

MECHAZONE - Automotive Parts E-commerce Platform	2023
Designed and developed MECHAZONE, a comprehensive e-commerce platform catering to automotive enthusiasts, providing a seamless experience for users to discover, purchase, and repair automobile parts. Leveraging a tech stack that includes React, MSSQL, and Flask, MECHAZONE simplifies the process of finding and acquiring auto parts, even for users with limited technical knowledge.	
<b>Skills Used:</b> Reactjs, MSSQL, Flask, Jira, Circle CI, GitHub, DOCKER.	
SQL Data Exploration and Visualization	2023
The provided text describes a process for analyzing a constantly changing COVID-19 dataset. It involves using SQL queries to clean and analyze the data, creating visualizations for easier understanding, and employing statistical methods to identify trends and support informed decision-making about the pandemic.	
<b>Skills Used:</b> MS Excel, MSSQL, Tableau	
Predicting the Risk of Heart Disease using Artificial Intelligence.	2023
I conducted research to explore using Artificial Intelligence and machine learning algorithms to predict the risk of heart disease. The study discussed various algorithms including logistic regression, decision trees, neural networks, and KNN.	
<b>Skills Used:</b> Python, Jupyter notebook, Neural Networks, Decision Tree, KNN, Logistic Regression.	
WaterBot- Water Quality Prediction.	2023
WaterBot - Water Quality Monitoring" is a data analytics and IoT project that employs advanced techniques such as Linear Regression, CNN, RNN, and LSTM. Data Visualization is done in the Tableau Website with the data set.	
<b>Skills Used:</b> Python, Jupyter notebook, CNN, RNN and LSTM.	
Web application for BWorks community service program	2023
Developed a robust online application for BWorks, streamlining provider registration and Email automation. This user-friendly system improved operational efficiency and transparency. This empowered data-driven decisions for community service programs.	
<b>Skills Used:</b> Angular Framework, Flask, MSSQL.	
Wordle Game using JAVA	2023
Developed a captivating and interactive WORDLE game using Java, implementing the Model-View-Controller (MVC) architectural pattern. The game is designed to challenge players in finding hidden words through a combination of guessing and strategic thinking.	
<b>Skills Used:</b> Java, GitLab, MVC approach, Gradle.	