

RITVIK CHEBOLU

(585)710-1750 | rc2388@rit.edu | <https://www.linkedin.com/in/ritvik-chebolu> | Rochester, NY

Portfolio: <https://share.streamlit.io/ritvik-chebolu/streamlit-resume/main> | GitHub: <https://github.com/ritvik-chebolu>

EDUCATION

- Master of Science, Data Science
Rochester Institute of Technology
Aug 2021 - Expected Apr 2023
GPA: 3.84
- Bachelor of Technology, Mechanical Engineering
Indian Institute of Technology Dharwad
Aug 2017 - Apr 2021
GPA: 3.8

TECHNICAL CERTIFICATIONS AND SKILLS ([Link to certificates](#))

- **Programming Languages:** Python, R, SQL, Java, C++, HTML, JavaScript, XML, MATLAB
- **Technologies:** MySQL, Tableau, Git, PowerBI, Hadoop, Microsoft Office, Android Studio
- **Libraries:** TensorFlow, Keras, Scikit Learn, OpenCV, Seaborn, Matplotlib, Numpy, Pandas

PROJECTS

- [Acute Ischemic Stroke Prediction](#)
Dec 2021
Utilized primary data to predict the stroke severity in patients based on their medical history and details using a Voting Classifier Ensemble machine learning model to achieve a combined accuracy of 97.5%.
- [User Feedback Sentiment Analysis](#)
Dec 2021
Built a user feedback evaluation system using statistical natural language processing using Natural Language Toolkit library(NLTK) to determine if there is a positive, negative or neutral sense from the reviews.
- [LinkedIn Data Analytics for Social Media Marketing](#) (A data viz hackathon)
May 2021
Analyzed and drew inferences using dashboards from the LinkedIn social media page data of FestMan from the previous year to derive insights based on their follower and visitors data.
- [Analysis of behavior of Nitinol as a Shape Memory Alloy for 4D Printing](#) (Research Project)
Aug - Dec 2020
Performed experiments, collected data for a mechanical system, analyzed datasets, cleaned data and drew inferences based on stress-strain curves for different temperature distributions to distinguish between two material compositions. Also formulated a mathematical model for the mechanical system.

INTERNSHIPS

- Internship in Thermal Power Plant at Visakhapatnam Steel Plant, India
July 2019
Analysis of variation of blade temperature over time for steam and gas turbines.
- Internship on Steam Turbine Engineering at BHEL Hyderabad, India
May 2019
Analysis of blade profile variation for a steam turbine over length for various turbine capacities.
- Internship on Manufacturing Processes at Visakhapatnam Steel Plant, India
Dec 2018
Repair analysis for a torpedo ladle car to carry molten steel from a furnace.

RELEVANT COURSES AND EXPERTISE

Foundations of Data Science and Analytics, Software Construction, Applied Statistics, Visual Analytics, Database Design, Calculus, Linear Algebra, Ordinary Differential Equations, Numerical Analysis

ACTIVITIES AND ACHIEVEMENTS

- Public Relations Coordinator for the Institute Innovation Council at IIT Dharwad
2018 - 2021
- Placed 4th in DevHack 2.0 (an annual tech-fest hackathon at IIT Dharwad) for designing a "Smart Closet" that sanitizes and dries all clothes within a closet
Feb 2020
- Head of the Electrical team and member of the Chassis team for InGene Motorsports, a Formula Bharat real-time race car fabrication team at IIT Dharwad
2018 - 2020
- Placed 2nd in the Inter-Department Football competition at IIT Dharwad
2018 and 2020
- Secured 8th place in Chess at the Inter-IIT Sports Meet (national level event) at IIT Madras
Dec 2017