

EDUCATION

Master of Science in Computer Science April 2023
Clemson University Clemson, SC
Coursework: Applied Data Science, Data Visualization, Foundations of Software Engineering, Implementation of ML, Statistical Methods.

Bachelor of Technology in Electronics and Computer Engineering May 2020
Koneru Lakshmaiah Education Foundation Vijayawada, India
GPA-8.1/10.0
Coursework: Operating Systems, Computer Networks, Object Oriented Programing, Data Warehousing and Mining, Data Structures, Database Systems, Internet of Things, Digital System Design

EXPERIENCE

Web developer June 2020 – December 2020
Tonmetri info Solutions Vijayawada, India

- Improved user experience by assessing the UI for possible improvements and adding various animation effects
- Developed reusable, elegant, and user-friendly UI components with React
- Design and develop user-friendly startup and entrepreneurship websites with HTML, CSS & Bootstrap, including optimizing navigation bar
- Resulting in an increase of around 20%
- Establishing core relationships with colleagues and clients from diverse cultural backgrounds

Open-source software Intern Apr 2018 – Jul 2018
Swecha Open-source Foundation Vijayawada, India

- Worked on open-source software's like SQLite, Docker, Python, Arduino, GitHub. Learned about the Linux administration, Shell scripting and various other open-source tools.
- Collecting, Preprocessing and Exploratory Analysis of the generated Data and finding out some useful correlations using SQLite.

ACADEMIC PROJECTS

Predicting and Analysis of Soil Properties – NumPy, Pandas

- A significant statistical analysis is conducted over 11,200 soil data samples from thirteen villages
- Analytical approaches are used to assess soil properties using pandas, NumPy, and matplotlib libraries in python
- The characteristics of the soil are examined for hidden patterns. Soil data for the Guntur district are forecasted with a significantly higher degree of accuracy using Random Forest Regressor

Movie recommendation system using collaborative filtering

- This project eases the process of recommending movies to the users on a streaming platform. This system is built using collaborative filtering which continuously finds the similarities between and content on the platform to perform recommendations.
- This recommender system learns about user choices by discovering information patterns thereby generating relevant recommendations aligning with user interests.

Online Booking System Web application – HTML, CSS, Java Script, JSP

- Developed a web-based application that allows customers to book services provided by the organization
- Implemented Front-end using HTML5, CSS, Java Script to manage the state of application across various platforms
- Built backend using JSP along with JDBC to store the customer details as well as booking information in database

Crime Data Visualization – D3.js, observable, Java Script, CSS, HTML

- The project focuses on comparing the probabilities and intensities of crimes. Performed classification of hotspots using probability rather than intensity, a novel approach
- We organized the hot spots into categories and displayed them on a street-level map, where these visualizations may be useful in resolving practical issues
- Applied these ideas to our data set to examine the crimes that occurred in Baltimore City between 2012 and 2017 and found the crime hotspots of the city with exact locations

TECHNICAL SKILLS

Languages: Python, Java, R, HTML, JavaScript.

Libraries and Frameworks: Pandas, NumPy, SKlearn, Keras, ReactJS, Node.js, Bootstrap

Data Visualization Tools: Tableau, matplotlib, MS Excel, D3.js, Observable

Developer Tools and Databases: Git, Docker, MySQL, Oracle, JDBC

IDE/ Tools: Arduino, Linux, Visual Studio Code