Sanjana Sarkar

Syracuse, NY | 315-603-8284 | sasarkar@syr.edu | LinkedIn

EDUCATION

Syracuse University, School of Information Studies   **Syracuse, NY**
Master of Science in Information Systems   *May 2023*
Relevant Coursework: Introduction to Data Science, Data Administration and Database Management, Information Management and Technology, Data Analysis and Decision Making, Data Warehouse, Information Policy

Sinhgad College of Engineering (SCOE)   **Pune, IN**
Bachelor of Engineering in Electronics & Telecommunications Engineering   *May 2019*
Relevant Coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Object Oriented Programming

TECHNICAL SKILLS

Technologies & Tools: R, Python, RStudio, Jupyter, Tableau, PowerBI, HTML, CSS, JavaScript
Databases: MySQL
Software: MS Excel, MS Word, MS PowerPoint, Azure Data Studio

WORK EXPERIENCE

Graduate Student Researcher   **Oct 2021 - Present**
NEXIS Student Technology Lab - Syracuse University, Syracuse, United States

- Fabricated a Natural Language Processing project in order to analyze hotel reviews on TripAdvisor.
- Improved categorization of the predictive analysis for hotels and homestay reviews by completing topic modeling of 50 units.

React Developer   **Dec 2020 – July 2021**
Pyramidion Solutions, Chennai, India

- Developed 5+ user-friendly user interfaces of e-commerce websites using ReactJS and Redux.
- Performed API integration using RESTful web services for increasing the efficiency of web pages by 60%.
- Built reusable code for future use and optimized web pages for 6+ applications.
- Collaborated with a team of 15 members by using Git for version control and Bitbucket for project management, collaborative coding, testing and deployment.
- Leveraged JIRA on a routine basis for tracking bugs and issues which improved the performance by 30%.

Web Developer   **June 2019 – Nov 2020**
Hybrowlabs Technologies, Pune, India

- Developed dynamic and interactive websites using HTML5, CSS3 and React.js which improved user satisfaction by 22%.
- Designed object-oriented code in Node.js and Parse SDK with 100% compliance to industry standards.
- Analyzed errors in functionality and debugged the application to cut down the real-time bounce rate by 32%.

PROJECT EXPERIENCE

Book Rental Database System   **Syracuse, NY**
Key Member   *Aug 2021 - Present*

- Built a Relational database application using relational models using Microsoft PowerApps
- Used SQL queries to achieve CRUD operations of the application
- Solved the problem of exploring books in and around the user and rent it for flexible period of time
- Implemented Logical and Conceptual models by building relations
- Maintained the entire database using SQL server

Covid-19 Data analysis   **Pune, IN**
Key Member   *Feb 2021 - May 2021*

- Developed 4 visualizations of Covid-19 cases across the globe using Python.
- Formulated the daily cases and deaths statistics using matplotlib which enhances the visualization by 25%.

Stock Prices Prediction   **Pune, IN**
Key Member   *Oct 2020 - Jan 2021*

- Built a Linear Regression Model and further created a visualization using Python.
- Utilized the sklearn library to train and test the dataset which predicts stock prices 45 days in the future.