

# T R SAMARTH URS

Phone: +1-503-374-8877 | Email: [trsurs@bu.edu](mailto:trsurs@bu.edu) | LinkedIn: [www.linkedin.com/in/samarth-urs](https://www.linkedin.com/in/samarth-urs) | Github: [github.com/Samarth-urs-tr](https://github.com/Samarth-urs-tr)

## EDUCATION

### BOSTON UNIVERSITY

Master of Science, Computer Information Systems

**Relevant Coursework:** Data Science with Python, Advanced Machine Learning, Data Mining, Big Data, Database Design and Implementation, Business Data Communications and Networks, Information System Design and Analysis, IT Strategy and Management.

Boston, Massachusetts

Expected January 2024

### DAYANANDA SAGAR COLLEGE OF ENGINEERING

Bachelor of Engineering, Electrical and Electronics Engineering

Bangalore, India

June 2020

## SKILLS

**Programming:** Python (Libraries: Numpy, Pandas, Matplotlib, Scikit Learn, PySpark, NLTK), SQL, R

**Languages:** HTML, CSS

**Database:** MySQL, Oracle SQL, Quickbase

**Data Analytics & Visualization Tools:** Tableau, MS Excel, Apache Airflow

**Cloud Computing Platforms:** Google Cloud Platform

**Automation Testing Framework and Tools:** Selenium WebDriver, TestNG, Pytest, Postman

**Soft Skills:** Attention to detail, strong communication and organizational skill, ability to work independently and in team-based environment.

## ACADEMIC PROJECT EXPERIENCE

### STOCK TRADING LABEL PREDICTIONS

March 2023

Applied advanced data pre-processing and cleaning methods to refine historical data, enabling optimization of trading strategies. Leveraged machine learning algorithms, including logistic regression, decision trees and Random Forest to predict stock trading labels ("Buy" or "Sell").

### DATABASE SYSTEM DESIGN AND IMPLEMENTATION FOR ROOMMATE FINDER PLATFORM

November 2023

Designed and implemented a database system using MySQL for a roommate finder platform. Conducted in-depth analysis, created Entity Relationship Diagrams, and engineered a relational structure to efficiently store and manage user information.

### SALES INSIGHT DASHBOARD

April 2023

Developed a dynamic sales insight dashboard using Tableau integrating MySQL data, and performing ETL and data cleaning for accurate, visually impactful data representation for strategic decision making.

## EXPERIENCE

### BOSTON UNIVERSITY

*Graduate Teaching Assistant CS677 – Data Science with Python*

Boston, Massachusetts

September 2023 - Present

- Led instructional sessions for a cohort of 55 graduate students enrolled in the Data Science with Python course.
- Conducted regular office hours to address students' questions related to Data Science concepts and machine learning algorithms.
- Graded assignments and exams promptly, offering constructive feedback.

### BOSTON UNIVERSITY

*Research Assistant*

Boston, Massachusetts

May 2023 - September 2023

- Analysed the critical language development period in children impacted by autism spectrum disorder (ASD).
- Performed longitudinal data analysis using Python and R, employing non-linear mixed-effect models.
- Collaborated with a diverse team of researchers and experts to derive significant findings and potential implications for early intervention strategies.

### SOFTWARE APPLICATIONS AND INNOVATION LAB, BOSTON UNIVERSITY

*Intern*

Boston, Massachusetts

June 2023 – July 2023

- Provided valuable insights through data analysis and interactive Tableau dashboard creation.
- Crafted compelling presentations for pitch decks.

### ACCENTURE

*Software Engineer*

Bangalore, India

January 2021 – August 2022

- Drove a 10% increase in overall efficiency through the development and implementation of a Content Management Tool, significantly enhancing client operations.
- Ensured timely project completion and high client satisfaction by conducting precise effort estimation and adherence to Agile methodology.
- Boosted testing efficiency by 30% through the implementation of Selenium-based automated testing.
- Ensured seamless integration between applications by validating RESTful endpoints using API testing frameworks, enhancing system reliability.
- Collaborated closely with cross-functional teams, aligning testing efforts with sprint goals.
- Developed and implemented comprehensive test plans, test cases, and test scripts to ensure the quality of software products.