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Roshan Praveen Shetty

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EDUCATION

Amherst, MA **University of Massachusetts Amherst** **Expected - Dec. 2021**

- B.S. in Computer Science and on the dean's list every semester. **GPA:** 3.7/4.0
- Relevant Coursework: Web Programming, Artificial Intelligence, Natural Language Programming, Database Management, Operating Systems, Computer Vision, Algorithms, and Information Systems.
- Recipient of Chancellor's Award, the highest academic scholarship, \$14k per year, given to undergraduate students at UMass Amherst.

EXPERIENCE

Resident Assistant **University of Massachusetts Amherst** **Jan. 2021 - Present**

- Offering residential experience supporting students' learning, personal growth, and academic achievement.
- Fostering inclusive communities, creating social and educational opportunities, and providing safe and well-maintained residences.

Business Analyst Intern **Tata Consultancy Services** **Jun. 2021 - Aug. 2021**

- Exploratory Data Analysis of time series data to determine appropriate machine learning algorithms by decomposing level, trend, seasonality, and noise using Python
- Implemented machine learning models like Random Forest Algorithm for o9 implementation for time series
- Leveraged the communication and project management components of Microsoft Teams to lead a team of data analyst interns

Fullstack Developer **College of Social & Behavioral Sciences - UMass Amherst** **Jun. 2021 - Aug. 2021**

- Developed shiny application for DACSS faculty to store, access, and edit school data
- Visualized UMass Amherst data using R in the form of a schedule as an interactive shiny application published on the school website - dacss.shinyapps.io/Schedule/

PROJECTS

GitHub - github.com/RoshanPShetty

DishSaver - dishesaver.herokuapp.com **Sep. 2020 - Dec. 2020**

- Built an interactive web application using HTML, CSS, and Bootstrap allowing communication between NGOs (Non-profit organizations) and UMass Dining Commons about donating leftover food preventing food wastage.
- Developed REST APIs using Node.js, connected it to MongoDB database, and deployed on Heroku.
- Leveraged the communication and project management components of GitHub to lead frontend developers.

Offensive/Hate Speech Detector **Sep. 2020 - Dec. 2020**

- Performed NLP based tokenization, lemmatization, vectorization, classification, and processed 30,000 tweets
- Designed and modeled Naive Bayes algorithm for data analysis to determine sentiment polarity of data set
- Achieved an accuracy of 80% for Multinomial Logistic Regression

EXTRACURRICULARS

Outreach Chair **UMass Design** **May. 2020 - Present**

- Actively recruiting over 50-80 active students as members per semester.
- Successfully conducted Adobe XD workshop for beginners with more than 30 people in attendance.
- Developing UMass Design Flutter mobile application with Firebase for backend as a social media platform to share member work with features such as leaderboard and votes - github.com/RoshanPShetty/UMassDesign

EXPERIENCE

- Programming Languages: Python, R, JavaScript, HTML, CSS, Java, C, SQL, Dart, React, Git
- Frameworks and Databases: Bootstrap, Django, Express, MongoDB, PostgreSQL, Firebase, MariaDB, jQuery