

# NANDINI LOKESH REDDY

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## EDUCATION

**University of Massachusetts Dartmouth, North Dartmouth MA**

**Expected 2024**

Master of Computer Science.

- 3.77 GPA
- Advanced Machine learning (AWS Certification), Data Visualization (worked on Tableau, d3js, echarts), Theoretical Computer science

**Visvesvaraya Technological University, Belagavi KA**

**August 2022**

Bachelors of Computer Science & Engineering.

- 8.97 GPA
- Academic Excellence Award.

## ACADEMIC PROJECT WORK & PUBLICATIONS

- **E-Voting system:**

Established an electronic voting website using blockchain technology, allowing users to cast their votes using their registered email address from any location. This increases system security and transparency.

**Publication:** Submitted a research paper in IEEE publications(stage-reviewing)

- **Plant Disease Identification:**

with the provided plant image, determined the ill-ness of the plant with the aid of machine learning algorithms and python programs. This aids in identifying different plant ill-ness and researching those diseases.

- **Wild-Life Conservation Website:**

Using HTML, CSS, and JavaScript, collaborated to build a website with helpful information about the endangered species that will aid in fund-raising efforts to protect them.

- **International Journal of science & Engineering Research**

Published an article related to smart e-cash system.

- **Phishing URL Prediction:**

To identify spam and ham URLs, multiple machine learning classification techniques were developed. The project was developed in Python using a combination of modules and packages. Worked on web API's and Beautiful soup.

- **Twitter Sentiment Analysis:**

Based in the tweets, determined whether the tweet is positive or negative using the stop words, encoding and machine learning packages.

- **Stable Diffusion Model:**

Currently working on stable diffusion model with artificial intelligence and machine learning. Implementing diffusion model for text-to-image visuals in real time.

## INTERNSHIP

**Quant Masters, Bengaluru KA**

**September 2021 – February 2022**

Software Intern.

- Worked on sentiment analysis and image processing machine learning projects.
- Analysis project twitter sentiment analysis, which predicts the positive and negative sentiment of the statement.
- Worked on real estate price prediction, using various machine learning algorithms to predict the prices.
- Recognized as the finest intern during my employment.

## LEADERSHIP & ACTIVITIES

**All India Council for Technical Education, Chickballapur KA**

December 2021 – January 2022

Rural Development Member.

- Educated rural residents about government programs, assisted them in using mobile devices, cleaned up remote communities, and raised their understanding of numerous national issues.

**Teaching Assistant, UmassD North Dartmouth MA.**

January 2023 – Present

- Teaching assistant for models of computations course offered by the Computer Science department.
- Responsible for instructing students about automata systems, theory of computability, and Turing machines.
- Held weekly office hours to provide tutoring, counseling, or assistance to students in need.

**Cyber Secure Computing Club, UmassD North Dartmouth MA.**

Secretary, December 2022 – Present

- Organized Hackathons, code breaking challenges to enhance students' technical skills.
- Gave a presentation on the rise in cyber security risks, their various forms, and mitigation strategies.

## SKILLS & INTERESTS

**Technical:** Python, HTML, C, CSS, JavaScript (Intermediate), SQL, Machine learning, Data visualization, java

**Language:** Fluent-English, Hindi, Telugu, Kannada

**Interests:** Cricket, Korean films and Travelling

**Operating systems:** Windows, Mac OS, Linux

### Websites:

<https://nandinilreddy.github.io/My-Portfolio/>

[https://nandinilreddy.github.io/DV\\_Part1\\_major\\_assignment3/](https://nandinilreddy.github.io/DV_Part1_major_assignment3/)

[https://nandinilreddy.github.io/dataviz\\_dv3/](https://nandinilreddy.github.io/dataviz_dv3/)