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.

SKILLS

- JavaScript, HTML, Java
- Angular, Bootstrap, AG Grid, REST APIs(preferred)
- Python, CSS, SQL, Machine Learning, Data Visualization
- Windows, Mac OS, Linux
- Fluent in English, Hindi, Telugu, Kannada

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.

Work-Experience

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.

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.

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.

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.

Websites:
https://nandinilreddy.github.io/My-Portfolio/
https://nandinilreddy.github.io/DV_Part1_major_assignment3/
https://nandinilreddy.github.io/dataviz_dv3/