New Bedford, MA **NANDINI LOKESH REDDY** nlokeshreddy@umassd.edu
(508)-509-7764

EDUCATION

University of Massachusetts, Spring 2023 North Dartmouth, MA
Master of Computer Science ***3.77 GPA***

- Cyber Secure Computing Club – Secretary.
- American Statistical Association Data Fest - 1st Position for Best Visualization.
- Relevant Coursework – Advanced Machine Learning, Advanced Data Mining, Data visualization, Paradigmatic Software Development

Visveswaraya Technology University, Spring 2022 KA, India
Bachelor of Computer Science and Engineering ***8.97 GPA***

- Academic Excellence Award
- Inter College Best Project – 2nd Position (e-voting system)
- Rural Development Member
- Relevant Coursework – Data Structures & Applications, Big Data Analytics, Internet of Things, Database Management Systems.

SKILLS

Languages: Python, C, Java, SQL, Swift.
Frameworks/Libraries: HTML, CSS, Pandas, MATLAB, Tensorflow, Pytorch, Keras, Numpy, OpenCV.
Developer Tools: AWS, Git, Xcode.

EXPERIENCE

Keeper AI ***Data Science Intern*** May – July 2023

- Developed recommendation system for personality profiles, connecting individuals with similar interests and enhancing colleague understanding for effective collaboration.
- Improved recommendation system accuracy by 5% through model tuning based on personality attributes, resulting in more precise profile matching and stronger connections.
- Implemented innovative features including Personality Graph, Colour Banner, and Values & Mission Graph, fostering comprehensive profile understanding and alignment with organizational values.

University of Massachusetts ***Marketing Analyst Intern*** Feb – Sep 2023

- Innovated technology review process, providing comprehensive evaluations of university research projects for potential commercialization and patent filing.
- Filed patents for ongoing research, successfully navigating the patent filing process and ensuring intellectual property protection for selected technologies.
- Facilitated technology licensing by collaborating with companies, negotiating licensing agreements, and leveraging market insights for optimal technology transfer.

University of Massachusetts ***Teaching Assistant*** Jan – May 2023

- Taught undergraduate students Turning Machine and Finite Automata concepts as a Teaching Assistant for the "Models of Computation" course, ensuring a solid understanding of fundamental computational models.
- Assisted in structuring the course by collaborating with the instructor, designing coursework, and organizing assignments, quizzes, and exams for a comprehensive learning experience.

PROJECT WORK

E-voting System – *Java, MongoDB, SMTP, and Hashing* Jan 2022

- Developed a simplified and secure blockchain-based e-voting system, enabling users to vote confidentially from any location. Ensured transparency, integrity, and user privacy while creating a user-friendly voting website interface.

Phishing URL Detection – *Python, REST API, Beautiful Soup, MATLAB, and Machine Learning* Aug 2021

- Leveraged machine learning algorithms and Python packages to achieve 98% accuracy in detecting false URLs. Applied various techniques to enhance accuracy and developed robust models for identifying phishing attempts.

Translating Languages with AI – *Python, Recurrent Neural Networks, Django, and Streamlit* Apr 2023

- Utilized recurrent neural networks (RNN) and LSTM models to develop a language translation system. Hyper-tuned the model using a vast dataset of 1.4 million samples, resulting in highly accurate translations across multiple languages.

Stable Diffusion Model for HealthCare – *Python, Probabilistic Machine Learning* Jan - Oct 2023

- Led the implementation of an innovative model utilizing probabilistic machine learning techniques. Applied this advanced approach to enhance disease prediction accuracy by leveraging limited datasets, leading to significant advancements in healthcare practices.

Text Summarization – *Python, LLaMA model, BERT Tokenization* June - Dec 2023

- By leveraging the power of BERT's language understanding capabilities, LLaMA efficiently generates concise summaries of lengthy documents, improving document comprehension and efficiency. Its integration of advanced natural language processing techniques makes it a valuable tool for extracting key information from complex texts.

LINKS

- Portfolio: https://nandinilreddy.github.io/My-Portfolio/
- American Statistical Association Data fest - https://www.umassd.edu/news/2023/datafest-2023.html
- Start-up Weekend Participation - https://tinyurl.com/4a3tzphx
- Cyber Secure Computing Club - https://shorturl.at/ouDW0