Prajakta Narsay

Email ID: prajaktanarsay73@gmail.com | Contact no.: +1-443-985-8052
LinkedIn: https://www.linkedin.com/in/prajakta-narsay-38704015b
GitHub : https://github.com/Prajakta73

EDUCATION

• University of Maryland Baltimore County	Masters in Computer Science	December 2022 (Expected)
• Cummins College Of Engineering ForWomen, Pune, Maharashtra, India.	B.Tech in Computer Engineering, (GPA: 3.7)	August 2016 - June 2020

SKILLS

Artificial Intelligence, Machine Learning algorithms, Deep Learning, Computer Vision, TensorFlow, Data Modelling and Evaluation, Predictive Modelling, Soft computing, Neuroscience, MATLAB, HTML, Cloud Computing, Data Visualization, Data Science, Research.

PROGRAMMING LANGUAGES AND LIBRARIES

Python, SQL, Java, TensorFlow, Keras, OpenCV, Pandas, NumPy, Matplotlib, MATLAB, HTML, CSS, Cirq, TensorFlow Quantum, Sklearn, Seaborn, Cirq.

WORK EXPERIENCE

Graduate Assistant, University of Maryland Baltimore County **August 2021- Present**
- Provided academic assistance for grading, evaluating, and teaching Discrete Mathematics Course for a class of 100 undergrad students.
- Created assignments and rubrics for evaluation.

Machine Learning Intern, Athens Information Technology, Greece. **June 2019- August 2019**
Recognizing context in images
- Developed a model to recognize the context in an image- whether it is an 'indoor' image or an 'outdoor' one.
- The model was built using CNN algorithm and could give accuracy of 84% on testing.

Recognizing face, age, gender and emotion of a person in an image.
- Created and augmented dataset of people with various emotions, age and gender.
- Explored and evaluated various machine learning models to recognize face, age, gender and emotion of a person.
- The model's accuracy was 90%.

Software Developer- CITI-BRIDGE program, CITI Corp Pvt Limited, Pune, India. **February 2019- April 2019**
- Developed a system to generate the feed file towards clearing system in a specific format on the input transactions to the system.
- Provided Proof of Concepts for Implementing Machine Learning to generate the feed file.

MAJOR PROJECTS

Using Computer Vision to detect Deforestation in Amazon River Basin. February 2021- May 2021

- Used Segmentation and Classification to label input satellite images into various classes.
- Simulated Quantum Computation on Classical machine and classified quantized data to perform classification on satellite images.
- Evaluated Classical and Quantum Neural Networks for the Image Classification task.
- **Algorithm used: Convolutional Neural Network, Quantum Machine Learning**.

Comparing Deep Learning Approaches to Classify Space objects as Debris. August 2019- August 2021

- Evaluated Deep Learning algorithms to classify space objects as debris.
- Prepared Light Curve's Dataset using real instances from European Space Agency's data.
- Collaborated with **Indian Space Research Organization** to extend this project for Space Situational Awareness.
- **Algorithms used: Convolution Neural Network, Artificial Neural Network, Quantum Neural Network**.

Delivered a seminar on Automatic conversion of black and white images. January 2019 - March 2019

- Studied image processing techniques, Machine Learning and Deep LearningTechniques.
- Presented the explanation of an algorithm to convert gray scaled images to colored images.

VOLUNTEERING

- **Volunteer**, for '**Substance Use Disorder**' Project, University of Maryland, Baltimore County (June 2021- Ongoing)
- **Volunteer**, for '**Domain Adaptation**' Project, VIPAR Lab, University of Maryland, Baltimore County (August 2021- Ongoing)

RECOGNITIONS

- **Secured 8th position among 117 teams for Paper Presentation on 'Space Objects Classification Techniques: A Survey'** at International Conference on Computation Performance Evaluation, sponsored by IEEE Kolkata and IEEE IAS USA.
- Secured 50th position among 750 teams in **Microsoft AI challenge** 2018-19 India2018-2019.
- Finalist (in a team of 4) among 100 teams in **IBM Hack Challenge 2018** for movie recommendation system.

PUBLICATION

• Sunita Jahirabadkar, Prajakta Narsay, Shivani Pharande, Gargi Deshpande, Anusha Kitture, '**Space Debris Classification Techniques: A Survey** ', 2020 International Conference on Computational Performance Evaluation (ComPE).
https://ieeexplore.ieee.org/document/9199996,
https://www.researchgate.net/publication/345186287_Space_Objects_Classification_Techniques_A_Survey,
https://link.springer.com/article/10.1007/s40295-019-00208-w

CO-CURRIULARS

- **Founder**, 'CS Base Camps'- social non –profit endeavor to teach people in rural areas about use of computers and mobiles and, teach and encourage students to learn about STEM.
- **Member, Computer Society of India** (2017-2018): Conducted tech talks by industry experts and researchers about upcoming technologies
- **Organizer and Speaker, Google Women Techmakers, Pune** (2017- 2019): Conducted workshops to introduce women to various technologies.