ANJALI SREEJA KADIYALA

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EDUCATION

Master of Science in Artificial Intelligence December 2023
San Jose State University, San Jose, CA, USA
- **Related Coursework**: Machine Learning, Artificial Intelligence and Data Engineering, Deep Learning, Reinforcement Learning, Mathematical Foundation for Decision Making.
- **GPA**: 3.6/4.0

Bachelor of Technology in Computer Science and Engineering August 2021
Jawaharlal Nehru Technological University, Hyderabad, India
- **Related Coursework:** Data Structures and Algorithms, Design and Analysis of Algorithms, Linear Algebra, Probability, Statistics, Database Management Systems, Python Programming, Data Mining, Data Analytics.
- **GPA:** 8.06/10.0

SKILLS

Programming Languages: Python, Julia, Java, SQL, HTML, C++, C, R
Frameworks: Pytorch, Tensorflow, Flask
Databases: MySQL, MongoDB
Tools and Technologies: Tableau, Docker, GitHub, RESTful API, Node.js, Android Studio, VSCode, Ecplise, HPC
OS: Windows, MacOS, Linux, Android
Research: Literature review, reimplementation of existing works, knowledge of state-of-the-art architectures like vision transformer, BERT, GPT, U-Net, R-CNN, ResNet.
Machine Learning Algorithms: Decision Trees, Random Forests, Linear and Logistic Regression, Naïve Bayes, SVM, KNN, CNN, RNN, LSTM, GRU, Transformer, Vision Transformer, UNet, R-CNN, Markov Decision Process.
Amazon Web Services: S3, Lambda, Lex, Textract, EC2, Rekognition, SageMaker

EXPERIENCE

Student Research Assistant, San Jose State University July 2022 – present
- **Mentor**: Dr. Stas Tiomkin
- Investigating latent factor analysis via dynamical systems in multiple timescales.

Student Research Assistant, San Jose State University January 2022 – May 2022
- **Mentor**: Dr. Nima Karimian
- Responsible for analyzing data and developing deep learning models for ECG based biometric authentication.
- Experimented with the Transformer and Vision Transformer architecture to compare the performance on the data.

Research Intern, International Institute of Information Technology – Hyderabad May 2021 – January 2022
- Researched on applications of artificial intelligence in healthcare.
- Worked towards developing 2 deep learning models, one to improve ECG interpretability, and another to classify autism spectrum disorder subtypes.

Data Science Intern, Deep Algorithms Solutions February 2021 – May 2021
- Successfully built and deployed an optical character recognition model in accordance with client requirements.
- Used Amazon Web Services for the developing the model and final deployment.

PROJECTS

Clickbait Headline Classification, SJSU, Spring 2022
- The approach to this natural language problem involved 5 stages: text normalization, vectorization, model selection, hyperparameter tuning, and final modelling.
- Concluded that Kernel SVM with an accuracy of 95.05%.

Vision Based Human Activity Recognition, JNTU, May 2021
- Developed a prototype using CNN and transfer learning to recognize human activities. Tested on real-time video data.
- To compare classification performance, used different CNN models: VGG-16, VGG-19, Inception-v3. VGG-16 performed best with classification accuracy of 96.95%.