Monish Mithra Kadiyala

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EDUCATION

State University of New York at Buffalo Aug 2024 – present | New York, United States
Master of Science, Engineering Science Data Science

Amrita Vishwa Vidyapeetham, Amritapuri 2020 – 2024 | Kerala, India
Bachelors of Technology, Computer Science and Engineering (AI)
Cumulative GPA: 8.92/10

SKILLS

Programming Languages — Python, Java, HTML, SQL, MATLAB | **Tools and Software** — Git, LaTeX, TensorFlow, PyTorch, Scikit-learn, NumPy, PostgreSQL, Excel, Hadoop | **Instruments** — Machine Learning, Data Science, Deep Learning, Artificial Intelligence, Software Engineering, Cloud Computing | **Databases** — MySQL | PostgreSQL | MongoDB

WORK EXPERIENCE

VMT Pharma Soft Sol Pvt. Ltd. Jan 2023 – Jul 2023 | Hyderabad, India
Software and Data Analytics Intern
- Conducted in-depth data analysis on over 50,000 data points, identifying key trends in patient reports and enhancing the decision-making efficiency by 14%.
- Enhanced software performance, resolving issues and contributing to a more robust ecosystem.

Azure Skynet Solutions Pvt. Ltd. Aug 2021 – Oct 2021 | Delhi, India
Summer Intern
- Employed Python and MATLAB to uncover statistical patterns and customer purchasing trends for decision-making.
- Designed and implemented an e-commerce recommender model with 89% accuracy for personalized recommendations, boosting customer satisfaction using collaborative filtering techniques.

Zebo.ai Jan 2021 – Feb 2021 | Hyderabad, India
AI Intern
- Collaborated in cross-functional teams, showcasing effective communication and teamwork skills in real-world data-science applications.
- Engineered a machine learning model using CNN, achieving 93% accuracy in facial recognition, gender detection, and age estimation.

PROJECTS

Traffic Sign Detection Aug 2023 – Nov 2023
- Applied resizing, normalization, and data augmentation to prepare the dataset for deep neural network training and the VGG16 model, ensuring compatibility and adaptability for reliable traffic sign identification.
- Demonstrated the adaptability in models where VGG16 achieved 87.09% validation accuracy, and the custom CNN with an impressive 99.16%,

Demand Prediction of Food Items Nov 2021 – Jan 2022
- Gathered and scrutinized data from 10 nearby villages to guide the creation of precise predictive models.
- Developed predictive models for food demand using advanced techniques such as Bayesian Linear Regression, Support Vector Machine (SVM), LASSO, XGBoost, LightBoost Regressor, and CatBoost Regressor.
- Deployed the project successfully in 2 rural villages, showcasing efficient prediction of required food items.

PUBLICATIONS AND CONFERENCES

Enhancing Stroke Lesion Classification with Conditional GAN: Leveraging Unsupervised Clustering and Class-Conditioned Synthetic Data
IEEE

Transfer Learning and Custom CNNs to Advance Traffic Sign Detection
3rd International Conference on Smart Generation Computing, Communication and Networking (SMARTGEN2023)
IEEE

CERTIFICATES AND COURSES

Machine Learning by Andrew NG Oct 2021
Stanford University