Sumukh Mydur

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https://sumukh-m.github.io/

SUMMARY OF QUALIFICATIONS

- Work experience as a software developer for over a year in deep learning and data analytics.
- Development expertise in Java, Python, Typescript, Spring Boot, Hibernate, Angular JS, and Convolutional Neural Networks.
- Well-established problem-solving skills by solving over 500 problems in coding platforms such as LeetCode.

TECHNICAL SKILLS

- Languages: Java, Python, TypeScript, JavaScript, C, C++, HTML5, CSS3, Bash script
- Frameworks: Pytorch, Tensorflow, Keras, Spring Boot, Hibernate, Flask, Django
- DevOps: Jenkins, Docker, Kubernetes, Terraform, Ansible
- Database Systems: MySql, MongoDB
- Tools: Git, GitHub, Visual Studio, Eclipse, Jupyter Notebook, Linux Terminal

EDUCATION

Master of Applied Computing January 2023 - Present
University of Windsor, Windsor, Ontario

Bachelor of Engineering, Computer Science and Engineering August 2018 - August 2022
Dr. Ambedkar Institute of Technology, Bengaluru, India

- Placed within top 3% of department

WORK EXPERIENCE

Software Developer Intern July 2021 - June 2022
DIMAAG-AI, Bengaluru, India
Skills: Python, Pytorch, Deep Learning, Convolutional Neural Networks, Data Analytics

- Developed and implemented a pipeline for hyperspectral imaging to estimate grape berry soluble solids and anthocyanin content with Convolutional Neural Networks.
- Combined efforts to determine coefficients of 0.91 and 0.72 for grape SSC and anthocyanin content prediction, respectively.
- Synchronized to classify samples into ripe and not-ripe classes with accuracy rates ranging from 86% to 91%.
- Collaborated on retrieving, processing, and training image data using epsilon support vector machine.

Data Science and Business Analytics Intern May 2021 - April 2021

The Sparks Foundation, Bengaluru, India

Skills: Python, Exploratory Data Analytics, Machine Learning, Decision Tree Classifier, Random Forest Algorithm.

- Spearheaded execution of a decision tree classifier and Random Forest, resulting in an impressive data classification accuracy of 96%.

ACADEMIC PROJECTS

Cardiomegaly Detection from Chest X-Rays Using CNN and Transfer Learning Algorithms January 2023 - April 2023

University of Windsor, Windsor, ON

Technologies: Python, Keras, OpenCV, TensorFlow

https://github.com/sumukh-m/Cardiomegaly-Detection.git

- Coordinated and devised a cardiomegaly detection system using 4 transfer learning algorithms - Efficientnetb4, Inceptionv3, MobileNet, and ResnNet152v2 and performed a comparative analysis of results and succeeded accuracy of 90%.
- Assisted in preprocessing images and integrating Attention mechanism and Global Weighted Average Pooling to enhance prediction results by 5% to 10%.

Senseware January 2023 - April 2023

University of Windsor, Windsor, ON

Technologies: Java, HTML5, CSS3, JavaScript, TypeScript

https://github.com/sumukh-m/Senseware-Alerting-Deaf-Person-against-Danger.git

- Contributed jointly to constructing a detection model with precision of 95% for development of an application alerting deaf individuals by utilizing sound detection and vibration.

TECHNICAL INVOLVEMENT

Windsor and wandb - Blood MNIST Kaggle Competition (Weights and Biases) January 2023

Windsor, ON

https://www.kaggle.com/competitions/windsor-and-wandb-blood-mnist/leaderboard

- Earned 3rd place among 20 people.

TECHNICAL TRAINING

DevOps Pre-requisite Course, KodeKloud April 2023

Generative Adversarial Neural Networks Specialization, DeepLearning.AI (Courseera.org) April 2022

Deep Learning Specialization, DeepLearning.AI (Coursera.org) March 2021

Java Full Stack and Python Programming, Uttara Infosolutions Pvt. Ltd. January 2021

Machine Learning, Stanford Online (Coursera.org) April 2020