

Pragati Deepak Khekale

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EDUCATION AND HONORS

ILLINOIS INSTITUTE OF TECHNOLOGY, CHICAGO, IL (USA)

January 2021 – December 2022

Master of Science in Data Science

Relevant Courses: Machine Learning, Database Organization, Big data, Statistical Learning, Project Management, Data Preparation and analysis, Statistical Modeling.

PUNE INSTITUTE OF COMPUTER TECHNOLOGY, PUNE, INDIA

August 2016 – October 2020

Bachelor of Engineering in Electronics and Telecommunication

Relevant Courses: Artificial intelligence, Data Structures, and Algorithms, Digital Image Video Processing

SKILLS

LANGUAGE: Python, R, C, C++, MATLAB, Java

CLOUD PLATFORMS: AWS, Google Cloud

DATABASE: SQL, Postgres SQL, Relational Database Management, Excel.

OS / Tools: Linux, Git, LaTeX, Bitbucket, Tableau, Hadoop

FRAMEWORKS & LIBRARIES: NumPy, OpenCV, Matplotlib, Pandas, Seaborn, TensorFlow, Keras, Scikit-Learn, PySpark

EXPERIENCE

Tutor at ACM- Women

August 2022 – December 2022

Illinois Institute of Technology

Chicago, IL (USA)

- Tutored Students for subjects like Machine Learning, Statistics and Undergraduate level Mathematics.

Summer Data Scientist

May 2022 – August 2022

CCC Solutions

Chicago, IL (US)

- Worked with Artificial Intelligence team on a project to resolve the problem of data privacy for machine learning models.
- Successfully implemented model using convolutional neural network(CNN), generated analytical insights.

Machine learning Intern

June 2019 – September 2019

Visteon Corporation

Pune, Maharashtra (India)

- Worked with ADAS team for an interior sensing project for Intel Open VINO CNN and PoseNet activity detection model.
- Worked with Linux system, and programming languages like Python, C++, C, and on platforms like CMake.

PROJECTS

- PoseNet Activity Detection** June 2019 – September 2019
 - Executed activity detection algorithm for ADAS using PoseNet estimation model
 - Developed the model to generate alert for user by mapping the distance between points from pose estimation model.
- Oral Cancer Detection Using Deep Learning** August 2019 – May 2020
 - Designed oral cancer detection model using supervised learning.
 - Collected Dataset from Oncologists, hospitals, Labeled and categorized the data for data processing of the model
 - Created Supervised model based on VGG-16 architecture, later implemented the model using flask for a web application
- OpenMax Open Set Deep Networks** August 2021 – December 2021
 - OpenMax OSDN model achieved object detection and improved open set deep networks classifier.
 - Implemented n-classification open-set deep neural networks, with an unknown class classification.
 - Achieved data analysis of result using visualization libraries like seaborn, pandas with keras backend.
- Analysis of multiple AWS services for machine learning model implementation** January 2022 – May 2022
 - Analyzed different services provided by AWS for implementing machine learning models Analysis using different AWS technologies (S3, EC2).
 - Designed and analyzed classifier machine learning models like: Regression, Decision Tree, SVM, Gradient Boost.
- Machine Unlearning** May 2022 – August 2022
 - Constructed data privacy in SISA architecture using machine unlearning algorithms.
 - Achieved 96% accuracy on the model and analyzed the results on different machine learning models.
 - Generated comparative analysis for performance of SISA model on different shards to evaluate model in real time.