

VANSHIKA MISHRA

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Targeting Research Assistantship in Machine Learning Domain

EDUCATION

Manipal University, Jaipur

Aug 2020 - Aug 2024

Bachelor of Technology (B.Tech) in Data Science Engineering

TECHNICAL SKILLS

Languages: Python, Java
Software & Tools: **Data Visualization:** Seaborn, Matplotlib
Data Handling: Numpy, Pandas
Libraries: Beautiful Soup, Scikit Learn
Others: Machine Learning Algorithms

WORK EXPERIENCE

GirlScript Foundation

Open Source Contributor

Sept 2021 - Dec 2021

- Contributed to Data Science with Python and Machine Learning Repository
- Contributed with in-depth text documentations of Machine Learning Algorithms

Let's Grow More Summer of Code

Open Source Contributor

July 2020 - Sept 2020

- Contributed various Web Development Projects
- Code contributions in HTML, CSS and Javascript

PROJECTS (ALL AVAILABLE IN GITHUB & KAGGLE)

Machine Learning from Scratch :- <https://github.com/vanshika230/Machine-Learning>

July 2021 - Present

- Derivation of all Machine Learning Algorithms in Python
- Complete Mathematical Derivations of all Machine Learning Concepts.
- In depth tutorials for Python and its Libraries

Diabetes Prediction :- <https://www.kaggle.com/mvanshika/diabetes-prediction>

Tech Stack :- Python, Pandas, Seaborn, Matplotlib, Scikit Learn

Sept 2021 - Oct 2021

- Prediction of Diabetes using KNN, Logistic, Naive Bayes, SVM, Decision Tree, Random Forest
- Data Visualization, Data Cleaning, Feature Selection, Performance Metrics were applied
- Hyper Parameter Tuning increased the accuracy of models by 7 % on average

Face Recognition :- <https://github.com/vanshika230/OpenCV/tree/main/FaceRecognition>

Tech Stack :- Python, OpenCV

July 2021 - Aug 2021

- Reads a Video Stream using OpenCV and extracts faces from it.
- Uses KNN to find the matching face in the existing database
- Displays the name of the person with a bounding box

HACKATHONS

Alzheimer Detection from Speech and Assistance App

Microsoft Imagine Cup

July 2021 - Present

- Alzheimer detection from Spontaneous Speech at Home
- Features for patients:- Easy UI Calling Feature, Self Care Tips, Task Reminder, Storing Photos of family
- Features for Care Takers:- Live Location Tracking of Patient, Treatment & Insurance Consultation

Hack CBS 4.0 - Mental Health Assistance Bot

Top 50 team Flipkart GRID 3.0

Amex AI/ML Hackathon- Geek Goddess 2021