

DIVYANSH MAKKAR

Machine Learning Engineer

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EXPERIENCE

Machine Learning Engineer

SeniorLife

January 2021 – Present Tokyo, Japan

- Pioneered a team to leverage Machine Learning and Computer Vision techniques to develop privacy-centric solutions for early symptom detection among Japan’s senior population
- Led the successful implementation of advanced Machine Learning models across multiple healthcare centers, enhancing patient care and early disease detection

Machine Learning Intern(Academic Coursework)

Airmeet

January 2021 – June 2021 Remote

- Contributed to Growth Strategy and developed a Python/Selenium automated lead generation system, generating >3k leads/day
- Technology used for frontend:HTML,CSS,Bootstrap,Jquery,Javascript.

Data Analytics Intern (Academic Coursework)

UltraTech Private Limited

December 2018 Gujarat, India

- Enhanced operational efficiency by automating manual calculations in the process variables excel sheets, leveraging Python and Excel
- Implemented T(squared) and SPE graphs for monitoring process control, applying statistical analysis techniques and machine learning principles

PROJECTS

Senior’s Health Analysis and Monitoring System

May 2021 – Present

- Developed and deployed a multi-modal Machine Learning system for senior health assessment, now used in multiple medical facilities and universities

Advanced Human Monitoring and Fall Detection

May 2021 – Present

- Crafted a Machine Learning model for fall risk analysis and a Deep Learning-based fall detection system using MediaPipe with over 90% accuracy

AI-Powered Personal Yoga Instructor

April 2021 – June 2021

- Created a Deep Learning-powered system for guided, accurate yoga posture correction, showcasing innovative use of AI in fitness

EDUCATION

B.E. Chemical Engineering

BITS Pilani, Rajasthan, India

July 2016 – June 2021 CGPA:7.12/10

Class XII

GRM Public School, Delhi, India

June 2016 92.60%/100%

Class X

NDM Senior Secondary School, Haryana, India

June 2013 CGPA:10/10

SKILLS

Python Machine Learning

TensorFlow Scikit-learn Keras

Deep Learning

Natural Language Processing (NLP)

AWS SQL Statistical Analysis

PySpark Big Data

COURSEWORK

- Big Data Essentials: HDFS, MapReduce and Spark RDD
- Managing Big Data with MySQL
- Practical Reinforcement Learning
- Natural Language Processing
- Deep Learning
- Data Mining
- Foundations of Data Science

POSITION OF RESPONSIBILITY

- Joint Secretary- Capitol,Organized and managed cultural activities including farewells, grubs, nite events.
- Second Year Representatives-Chemical Engineer Association, organized activities in college’s yearly technical fest, APOGEE

ACHIEVEMENTS

- Tresbian Award, given for the best student in first year and contributions to technical fest