Vivek Choudhari

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# SKILLS

## PROGRAMMING

Python and iPython Notebook SQL

C Language

HTML and CSS

## MACHINE LEARNING &

## DEEP LEARNING

Natural Language Processing

Artificial Neural Network

Convolutional Neural Network

Regression

Support Vector Machines Naive Bayes

K-Nearest Neighbors Decision Trees

Cluster Analyses

## 

## DATA VISUALISATION

Power BI

## COMPETENCIES

Team work & Collaboration

Decision Making

Statistical Analysis

Great Communication

Project Management

Continuous Learning

# EDUCATION

## Bachelors of Technology Mechanical Engineering

### Vishwakarma Institute of Information Technology

August 2021 | Pune, MH

# TRAININGS

## DATA SCIENCE & DATA ANALYTICS

### ExcelR Academy

Jan 2023-June 2023 | Baner, MH

# Links

# [My Portfolio](https://03-vivek-03.github.io/portfolio/)

# [GitHub Repository](https://github.com/03-vivek-03)SUMMARY

# Dynamic Data Scientist with over 3 years of expertise of spearheading innovative Machine-Learning solutions. Specialized in AI and ML using Python, with notable achievements in efficient processing and segmentation of X-ray images. Led a team in pioneering groundbreaking algorithms for body part detection, X-ray image orientation, and disease detection, contributing to significant improvements in 50% increase in efficiency and 70% reduction in processing time. Experienced in streamlining data management processes and implementing cost-effective solutions. Committed to leveraging cutting-edge technologies to drive impactful results and foster organizational growth.

# EXPERIENCE

**MEDIMAZE SOLUTIONS PVT LTD** | DATA SCIENTIST

May 2023 – Present | PCMC, Maharashtra

Chest X-ray AI (Pathology Detection)

* Achieved a remarkable 100% accuracy rate in building models for body part detection (Chest, Neck, Abdomen, etc.), seamlessly integrating them into data processing workflows.
* Pioneered the development of a model for automatic X-ray image orientation detection and rotation, enhancing time and resource efficiency in conjunction with body part detection models.
* Spearheaded the successful development of AI algorithms for tuberculosis and COVID-19 detection in chest images, with validation accuracies of 93% and above.
* Implemented a streamlined data management solution utilizing an Excel database for patient details, resulting in an 80% reduction in time spent on data organization and a 95% reduction in storage space usage.
* Led a team of junior data scientists in the development of an AI CNN algorithm for chest X-ray abnormality detection, achieving impressive accuracy and validation metrics.

**COGNIZANT TECHNOLOGY SOLUTIONS** | PROGRAMMER ANALYST

Feb 2021 – Mar 2023 | Pune, Maharashtra

British Gas, UK

* Conducted in-depth analysis of customer attrition for British Gas, UK, identifying key factors contributing to churn
* Developed machine learning models to predict customer churn and provided actionable insights to mitigate attrition rates.
* Applied data science techniques to analyze text data, extracting insights on service challenges across different cities, areas, and demographics.
* Collaborated with cross-functional teams to implement data-driven solutions and optimize customer retention strategies.

# CERTIFICATES

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| --- | --- | --- | --- |
|  | Jan 2024 | GL Academy | AI for Healthcare |
|  | May 2023 | IBM | IBM - Machine Learning with Python |
|  | Apr 2023 | Udemy | Artificial Intelligence A-Z™ 2023 |
|  | Apr 2023 | Udemy | The Data Science Course 2023: Complete Data Science Boot camp |
|  | Jun 2022 | Microsoft Certifications | AI-900: Azure AI Fundamentals by Microsoft Certifications |
|  | May 2022 | Udemy | Deep Learning A-Z™: Hands-On ANN |
|  | Apr 2022 | Udemy | Machine Learning A-Z: Hands-On Python & R |
|  | Apr 2022 | Udemy | Feature Engineering for Machine Learning |