

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](#)

[GitHub Repository](#)

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

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