

# Bharat Yadav

A dynamic and focused person eager to learn, adapt, and apply new techniques and technologies in the rapidly evolving field of data analytics and machine learning, showcasing a strong commitment towards professional growth and development.

## WORK EXPERIENCE

### IBM Skill Build Edu net

#### Artificial Intelligence and Machine Learning

10/2023 – 12/2023

- Drove project success by independently managing tasks, consistently delivering against weekly milestones in a dynamic agile environment, ensuring timely project completion and surpassing goals.
- Innovatively harnessed AI/ML for in-depth analysis of complex datasets, producing actionable insights that catalyzed substantial improvements in the control environment. Demonstrated strong decision-making skills that directly influenced strategic enhancements.

### Internshala

#### Web Dev

05/2022 – 06/2022

- Web development covering HTML, CSS, Bootstrap, DBMS, JavaScript, and Django.
- Learn about all web development skills and make a “Pg Hunting” website based on our knowledge.
- Completed a comprehensive final project, showcasing the application of acquired skills in a real-world scenario.

## PROJECTS

### Bumps and Potholes Detection (Deep Learning)

(01/2024)

- Develop a system using machine learning and deep learning to detect bumps and potholes from image or sensor data automatically.
- Implement CNN (deep learning) and Machine Learning algorithms.
- Leveraged image processing techniques and machine learning algorithms to analyze road conditions in real-time, enhancing road safety and infrastructure maintenance.

### Face Detection using AI (Python)

(01/2024)

- Optimized ER Leveraged deep learning frameworks like TensorFlow or PyTorch to develop a robust and accurate model for real-time face detection in images and videos.
- The system incorporates convolutional neural networks (CNN) for feature extraction and utilizes pre-trained models like OpenCV's Haar cascades for efficient and rapid face recognition.

### Climate Change Forecast-SARIMA Model (Python)

(10/2023 )

- Implemented SARIMA models on climate datasets and contributed to collaborative forecasting projects.
- Preprocessed data for quality and stationarity, Collaborated on result interpretation and potential improvements.
- Engaged in collaborative projects with peers, contributing to the development of climate forecasting models and enhancing teamwork and communication skills.

## PUBLISHED RESEARCH

### Sentiment Analysis of the COVID-19 Pandemic On IJRAR.ORG

- Contributed to the field of data science and public sentiment analysis with a published research project on IJRAR.ORG.
- Conducted an in-depth sentiment analysis of the COVID-19 pandemic, employing advanced natural language processing techniques.
- The research sheds light on public reactions, emotions, and sentiments during this global crisis, providing valuable insights into societal responses and attitudes

## CONTACT

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- GitHub:  
<https://github.com/bharatydv>

## SKILLS

- Python
- Machine Learning
- SQL
- Deep Learning
- Data Analytics
- Power BI
- Data visualization
- NLP
- OpenCV
- Azure
- Django
- Html CSS
- Javascript
- Backend Development
- Strong Vocabulary skills

## EDUCATION

### Chandigarh University

**Bachelor of Engineering** in Computer Science with Specialization in AIML.  
(2020-2024 ) 7.5 CGPA  
Mohali, Punjab 140413.

### Central Public School

**10+2** with Science (PCM).  
(2018-2019) 71.2%  
Kota, Rajasthan 324005.

## CERTIFICATIONS

Foundations: Data, Data Everywhere.  
<https://coursera.org/verify/6PJWHE9RVS6N>

Introduction to Blockchain Technologies.  
<https://coursera.org/verify/VNPBGJFKRUQL>

Django Web Framework.  
<https://coursera.org/verify/X2BTD7LX55NQ>

Python Backend Developer  
<https://media.geeksforgeeks.org/courses/certificates/3bcc4b2745dba6b7d2130035048e56a0.pdf>