

Cheena Kachroo

Data Scientist

✉ cheenakachroo2000@gmail.com ☎ +91-971-8926-776 in Linkdin 📁 Portfolio 📍 Delhi, India ➡ Profile

Skills

Technical (Python, AWS Lambda, AWS S3, AWS sagemaker, Google Cloud Platform, NLP, Machine Learning, HTML5/CSS3, Deep Learning, Django, MySQL, Data Processing, Data Visualization, TensorFlow, Pandas, Numpy)

Interpersonal Skills (Leadership, Management, Problem Solving, Client Dealing)

Basic (Microsoft Excel, Microsoft Word, Microsoft PowerPoint, Adobe Illustrator, Adobe Photoshop, IDE(Jupyter, JPython, Pycharm))

Professional Experience

SPRY

Data Scientist

Sep 2023 – present | Pune, India

Jr. Data Scientist

Nov 2022 – Sep 2023 | Pune, India

- Engineered real-time key point detection models (Movenet, Mediapipe, YOLO), optimizing performance for diverse applications.
- Integrated ChatGPT APIs (Whisper AI, LLM models) to meet specific requirements, enhancing system functionality.
- Collaborated with physiotherapists to develop precise models for real-time exercise assessment, ensuring accurate health monitoring.
- Deployed and fine-tuned instances on AWS EC2 for peak model performance in real-time environments.

Xavio infotech private limited

AI-ML Engineer Intern

Sep 2022 – Dec 2022 | Delhi, India

Expert in creating and deploying machine learning and deep learning models for diverse applications.

Smollan(Google)

Data Scientist Intern, Remote

Apr 2022 – Sep 2022 | Delhi, India

Google

- Proficient in developing intricate Python-based Selenium scrapers for data extraction.
- Experienced in integrating and creating Data Studio Dashboards for streamlined data visualization.
- Skillful in deploying and scheduling diverse scrapers on GCP Cloud for automated and efficient data collection processes.

Chegg Inc.

Subject Matter Expert (Mathematics), Remote

Oct 2020 – Dec 2021 | Delhi, India

Expert in crafting tailored solutions for advanced mathematics questions in textbooks to support students' learning needs

Education

Delhi University

Bachelor in Science (Honors) - Mathematics

Apr 2019 – May 2022 | Delhi, India

Specialization in Mathematics (CGPA-8.5)

Projects

Image Search

Deep Learning

This model processes image inputs to accurately match and retrieve the most similar or exact videos from a dataset created on the backend.

BodyView/ BodyPosition Classifier

Machine Learning

- Trained a body view and position detection model using OpenCV, achieving a robust accuracy of 96.5% with the DecisionTree Classifier algorithm.
- Successfully deployed the model on AWS Sagemaker for real-time applications, ensuring seamless integration.
- Utilized Mediapipe's full-body capabilities, extracting data with 33 key points for comprehensive analysis.
- Conducted exploratory data analysis (EDA) to identify and prioritize the most relevant features among the key points.
- Implemented feature engineering techniques to enhance the model's accuracy and performance.
- Demonstrated expertise in leveraging AWS Sagemaker for efficient and scalable real-time deployment.
- Accomplished results-driven model training and deployment, optimizing the intersection of computer vision and machine learning technologies.

Stock Market Prediction

Data Analyst

- Employed Long Short Term Memory networks (LSTMs) to forecast future closing values of a specific stock within a defined time frame.
- Utilized historical price datasets, focusing on predicting the closing price of the S&P 500.
- Executed advanced predictive modeling techniques to enhance reliability in anticipating future stock values.

Heart Disease Detection

Machine Learning

- Engineered a machine learning model to identify individuals with cardiovascular conditions or at high risk of heart disease, reaching an accuracy of 85.14% with a RandomForest Classifier.
- Implemented deployment on AWS Lambda for optimized and efficient utilization of the heart disease detection model.
- Leveraged advanced analytics and predictive modeling techniques to contribute to improved cardiovascular health assessment.

Certificates

AI-ML

Amazon Web Services (AWS)

Workshop On Machine Learning

CETPA Infotech Pvt. Ltd.

Data Warehousing/ETL and Timed Coding

Triplebyte

Python for Deep Learning BASIC: Build Neural Networks in

Python

Udemy