Rakesh Sharma *Data Scientist*

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🔗 therakeshsharma.vercel.app

EDUCATION

Bachelor of Technology in Computer Science and Engineering,   2019 – 2023 | Bhubaneswar, India
Centurion University of Technology and Management
- Domain Specialization:- Data Science and Machine Learning
- GPA-3.58/4.0 | CGPA-8.9/10.0

PROFESSIONAL EXPERIENCE

Junior Executive - Data Management, *Genisys Group*   07/2025 | Bengaluru, India
- Utilized Python scripts to annotate and structure large product datasets from internal databases, building efficient data pipelines for DL models.
- Developed data preprocessing logic for brand classification tasks, ensuring labeled, AI-ready datasets for predictive analytics and model training.

Data Science and AI Consultant, *Rubixe - Al Solutions Company*   08/2024 – 06/2025 | Bengaluru, India
- Designed and implemented deep learning models to enhance data-driven decision-making and optimize predictive accuracy.
- Analyzed and processed large-scale datasets using big data frameworks, improving data efficiency and scalability.

Software Developer, *Searchingyard Software Pvt Ltd*   06/2023 – 05/2024 | Bhubaneswar, India
- Conducted in-depth analysis on data using various data analysis methodology to enhance decision making capabilities with insightful outcomes.
- Collaborated with cross-functional teams to deliver scalable data-driven and web-based solutions, improving user engagement and operational efficiency.

Data Science Intern, *Gram Tarang Employability Training Services, CUTM*   06/2022 – 12/2022 | Bhubaneswar, India
- Applied deep learning and computer vision techniques to build and deploy high-accuracy image classification models, achieving high accuracy.
- Developed and integrated full-stack solutions including Flask APIs and Android applications to enable real-time, user-friendly model interaction across platforms.

CERTIFICATES

- Certified Data Scientist By NASSCOM | 04/2025 ✐
- Microsoft Certified: Azure AI Fundamentals | 01/2023 ✐

RESEARCH PUBLICATIONS

Tomato Leaf Disease Detection using Machine Learning ✐   2022
Accepted in International Health Informatics Conference Scopus indexed, 2022.

Student Attendance System Based on Face Recognition and Machine Learning ✐   2022
Accepted in International Health Informatics Conference, Scopus indexed, 2022.

SKILLS & TOOLS

DS & ML
Python, ML & DL, NLP, GAN, Pyspark

Cloud Computing
Azure, AWS

Database
MySQL, MongoDB

Version Control
Git, GitHub

Data Visualization
Microsoft Power BI, Tableau

Image Processing Tools
ERDAS Imagine, Arc-GIS, ENVI, QGIS

Web Development
NextJs, Tailwind Css, API Integration

Microsoft Office
MS-Word, MS-Excel, MS-PowerPoint

Softskill
Problem-Solving, Communication, Adaptability, Team Collaboration

PROJECTS

Duplicate Question Detection using NLP, *Rubixe - Al Solutions Company*   08/2024 – 06/2025
- Developed an advanced NLP model to identify semantically similar or duplicate questions, achieving an accuracy of 83.25%.
- Applied state-of-the-art text preprocessing, feature engineering, and deep learning methodologies to optimize model performance.
- Designed a scalable data processing pipeline to handle large text corpora efficiently, enabling deployment in real-world applications.
- Technology: Natural Language Processing, Deep Learning, Text Classification

Automated Attendance System, *Searchingyard Software Pvt Ltd*   11/2023 – 02/2024
- Designed and implemented a real-time student attendance system using advanced facial recognition technology.
- Achieved exceptional accuracy rates of 96.82% with CNN and 96.97% with ResNet50 through comprehensive model training, testing, and optimization.
- Automated attendance record generation into structured.csv files, ensuring streamlined data management and enhanced operational efficiency.
- Technology:- Image recognition, Computer Vision, Deep Learning

E-Commerce Data Analysis and Visualization, *Searchingyard Software Pvt Ltd*   07/2023 – 11/2023
- Analyzed purchase activity, growth rate, top 10 markets, top categories, and payment methods by conducting data cleaning, preprocessing, and statistical analysis to identify key trends and insights.
- Created interactive dashboards with detailed static charts uncovering top markets, best-selling categories, and customer payment preferences.
- Delivered actionable insights to stakeholders, driving data-informed decision-making and enhancing business strategy alignment.
- Technology:- Exploratory Data Analysis, Big Data, PowerBI, Data Visualization

Pests & Diseases Detection, *Centurion University of Technology and Management*   01/2022 – 02/2023
- Conducted advanced deep learning modeling to achieve a high accuracy rate of 96% in identifying pests and diseases in rice plants.
- Designed and deployed the model through a Flask server, ensuring efficient and scalable implementation.
- Developed a user-centric web application for real-time detection and identification, enhancing accessibility and usability.
- Engineered a mobile application to extend functionality to Android devices, enabling on-the-go detection and management solutions.
- Technology:- Deep Learning, Computer Vision, Web Development, Android App Development