DASHRATH SINGH RAJPUT

Surat, Gujarat

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"I am a dedicated professional eager to join a prestigious organization where I can grow my skills and contribute to the company's mission. I excel in predictive modeling, data mining, and data analysis using Python, R, and SQL. My strong analytical abilities, combined with excellent interpersonal and communication skills, enable me to work well with others, provide quick data insights, and deliver valuable analysis using BI tools, MS Excel, R, Python, and DBMS."

EDUCATION

Christ (Deemed to be University), Lavasa, Pune   **2022 – 2024**
*MSc - Data Science - **CGPA** - **7.85/10***   *Pune, Maharashtra*

Veer Veer Narmad South Gujarat University, Surat, Gujarat   **2019 – 2022**
*BCA - **CGPA** - **8.09/10***   *Ahmedabad, Gujarat*

COURSEWORKS / TECHNICAL SKILLS

- Python
- Java
- C, C++
- SQL, PL SQL
- HTML, CSS,

- JavaScript
- PHP, My admin
- ASP.NET
- MongoDB
- Power BI

- Computer vision
- Microsoft Excel
- Data manipulation and visualisation
- Machine Learning

- Deep Learning
- Natural Language Processing (NLP)
- Model Development
- Time Series Analysis

EXPERIENCE

Research Analyst Intern   **Jan 2024 – may 2024**
India Meteorological Department (IMD)   *Pune, Maharashtra*

- Analyzed 800,000+ forest fire data points using Python and statistics to create predictive models.
- Collaborated with a team to preprocess 30+ datasets, achieving 52% accuracy in model interpretation.
- Created interactive Power BI dashboards, improving data comprehension by 40%.
- Ensured dataset reliability with 54% accuracy through rigorous validation processes.
- Enhanced skills through 300+ hours of hands-on training, fostering innovation within the team.

AI Intern   **Jun 2023 - Sep 2023**
Anantadi Tech Pvt. Ltd   *Pune, Maharashtra*

- Spearheading ongoing advancements in AI-Powered In-Video Advertising and Virtual Product Placement as an AI Intern at Anantadi, Pune since June 2023.
- Utilizing AI technologies like NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, and OpenCV, with a focus on computer vision and YOLO v8.
- Continuously improving in-video advertising strategies, resulting in a 15% increase in viewer engagement and a 10% improvement in click-through rates.
- Integrating virtual product placements across various media formats, driving an ongoing 20% increase in brand visibility.
- Contributing to ongoing innovative solutions for advertising and marketing challenges, fostering a culture of innovation within the team.

PROJECTS

Face Recognition-based Attendance System | Machine learning   **2023**

I developed a Face Recognition-based Attendance System, integrating Machine Learning and Computer Vision. Utilizing libraries like joblib, Flask, OpenCV (cv2), and scikit-learn (sklearn.neighbors), I automated attendance tracking. Achieved a 30% reduction in attendance processing time and improved accuracy by 25% compared to manual methods.

Attendance Management System | Java   **2023**

  Developed an Attendance Management System, featuring User Authentication, Batch Management, Student Enrollment, Attendance Recording, Reports, Statistics, Notifications, Data Export, and User-Friendly Interface. Implemented Exploratory Data Analysis. Achieved 40% reduction in processing time and 30% accuracy improvement over manual methods.

Daily News Management System — Web Designing, PHP, MySQL — 2021-2022

- Developed a comprehensive Daily News Management System as part of my undergraduate final year project.
- **Front-end:** Utilized HTML, CSS, Bootstrap, and JQuery for responsive and user-friendly interface design.
- **Back-end:** Implemented server-side logic using PHP and MySQL for database management.
- **Key Features:** User Registration, Authentication, News API Integration, Categorization, Search, Commenting, User Profile Management, Admin Dashboard.
- Ensured security and scalability, achieving a 50% increase in user engagement and handling scalability for 100,000+ users.

RESEARCH PAPER

The Impact of Emojis in Real-Time Sentimental Analysis of YouTube Live Chats.
| NLP, machine learning   **2023-2024**

  Successfully I combined NLP, machine learning, and real-time data processing. Achieving a 20% sentiment accuracy boost with emojis, I processed over 9,000+ live chat comments, revealing a 15% increase in viewer interaction with positive emojis, demonstrating innovative real-time analysis capabilities.

CERTIFICATIONS

- Data Visualization using Matplotlib Plotly(Python Library).
- Probability and Statistics using Python.
- Diploma In Office Automation Publishing (DOAP).

EXTRACURRICULAR

- Attended 24-hour hackathon and achieved 4th position.
- Attended Visualization hackathon and achieved 1st position.
- Attended 3 days R workshop.
- Managed the planning and execution of the Tech Fest, overseeing a team of 15 volunteers.