Prathmesh Joshi

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Summary

- Recent M.Tech graduate in Data Science and Analytics with expertise in machine learning, data analysis, and business intelligence.
- Skilled in Python, SQL, Power BI, and deep learning, with experience in AI-driven solutions, predictive modeling, and data visualization.
- Passionate about leveraging data to drive business insights, optimize decision-making, and solve real-world challenges.

Skills

Data Analysis: Python, SQL, Pandas, Numpy, keras, PowerBI, Data Visualization

Deep Learning: CNN, XAI, Supervised Learning, Image Processing

Business Intelligence: PowerBI, Dashboard Creation, DAX, Pivot Tables, Power Query, KPI Indicators

Programming: Python, HTML, CSS

Tools: Keras, TensorFlow, Jupyter, Google Colab

Soft Skills: Teamwork, Problem-solving, Adaptability, Leadership

Projects

Brain Tumor Classification Project (M.Tech Desertation) 2023 - 2024

Developed a hybrid segmentation model with CNN-SVM for brain tumor classification using Explainable AI (SHAP, Grad-CAM). Achieved 99% accuracy, enhancing diagnostic reliability and aiding medical decision-making.

Face Mask Detection Project 2022 - 2023

Designed an AI-powered face mask detection system with a newly created dataset for N95 masks, achieving 95% accuracy. Enhanced real-time surveillance and public health compliance using advanced image processing.

Sales Dashboard 2023

Developed a dynamic and interactive sales dashboard in Power BI to visualize key performance indicators (KPIs) such as Sales Profit, Average Discount, and Revenue Trends. Improved business insights and decision-making for data-driven strategy optimization.

Education

M.Tech in Data Science and Analytics (Dr. Vishwanath Karad MIT World Peace University, Pune) 2024

B.Tech in Computer Science and Engineering(P.E.S. College of Engineering, Aurangabad) 2022

Certifications

- **Power BI & Business Intelligence** – PrepInsta
- **Data Visualization: Empowering Business with Effective Insights** – TCS Forage
- **Data Analytics and Visualization Job Simulation** – Accenture
- **Red Hat Certified Engineer (RHCE)** – Red Hat
- **Red Hat Certified System Administrator (RHCSA)** – Red Hat

Honors & Awards & Achievements

- Achieved a perfect score of 300/300 in the RHCSA certification exam.
- Conducted a PowerBI workshop for interactive dashboards for data analysis.
- Presented a paper at the International Conference on Recent Advances in Engineering, Technology, and Science, held in Chennai, India.