DHEERENDRA KUSHWAHA

📍 Satna, M.P. | ✉ offcialdheerukushwaha0928@gmail.com | 📞 7987084171

🔗 GitHub | LinkedIn

PROFESSIONAL SUMMARY

Data Analyst with a strong foundation in machine learning, statistical analysis, and data visualization. Proficient in SQL, Python, and data manipulation techniques to extract actionable insights. Experienced in building predictive models, deploying ML solutions, and collaborating with cross-functional teams to solve business challenges. Passionate about leveraging data-driven strategies to optimize processes and drive business growth.

KEY RESPONSIBILITIES & SKILLS

Data Analysis & Machine Learning

- ✅ Utilize **advanced statistical techniques** and machine learning algorithms to analyze large datasets.
- ✅ Develop **predictive models** to forecast business trends and optimize decision-making.
- ✅ Perform **exploratory data analysis (EDA)** to uncover hidden patterns and trends.

Data Processing & Manipulation

- ✅ Clean, preprocess, and transform data using **SQL, Python, and Pandas**.
- ✅ Work with structured and unstructured data, ensuring high data quality.
- ✅ Implement **feature engineering** and **dimensionality reduction** techniques.

Data Visualization & Reporting

- ✅ Design **interactive dashboards** using **Power BI, Tableau, and Matplotlib**.
- ✅ Communicate insights effectively to stakeholders through compelling **data storytelling**.
- ✅ Generate automated reports to **track KPIs and performance metrics**.

Machine Learning Model Deployment

- ✅ Deploy and maintain ML models in **production environments (Flask, FastAPI, or Azure ML)**.
- ✅ Optimize model performance and scalability using **MLOps techniques**.

Collaboration & Continuous Learning

- ✅ Work closely with **business teams** to translate requirements into data-driven solutions.
- ✅ Stay updated on **cutting-edge advancements** in data science and machine learning.

TECHNICAL SKILLS

- **Programming:** Python (Pandas, NumPy, Scikit-learn, TensorFlow), R, SQL

- **Data Visualization:** Power BI, Tableau, Matplotlib, Seaborn

- **Database Management:** MySQL, PostgreSQL

- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Deployment

- **Cloud & Tools:** Azure, Google Colab, Jupyter Notebook

PROJECTS

Phishing Domain Detection (Cybersecurity)

📌 **Objective:** Designed a system to classify phishing domains using machine learning.
📌 **Tech Stack:** Python, TensorFlow, Pandas, Scikit-learn
📌 **Key Contributions:**

- Collected and processed domain features (URL patterns, DNS records, WHOIS data).

- Trained models like **Random Forest, Logistic Regression, and Neural Networks**.

- Achieved **90% accuracy**, improving cybersecurity measures against phishing attacks.

Thyroid Disease Prediction (Healthcare)

📌 **Objective:** Developed a predictive model to detect thyroid diseases using clinical data.
📌 **Tech Stack:** Python, Scikit-learn, Matplotlib, Power BI
📌 **Key Contributions:**

- Analyzed **biochemical markers** (TSH, T3, T4 levels) to detect thyroid dysfunction.

- Built models using **Decision Trees and Support Vector Machines**, achieving **85% accuracy**.

- Implemented **data visualization dashboards** for easy interpretation by healthcare professionals.

EDUCATION

🎓 **B.Tech in Computer Science & AI** – Aks University, Satna, M.P. (**CGPA: 7.57**)

📖 **Full Stack Data Science Certification – PwSkills**
📌 Certificate