MCA qualified, aspiring professional targeting assignments in Data Science, Data Analysis, and software engineering (Python) in IT industry to apply analytical and programming skills effectively.

KNOWLEDGE PURVIEW

- Data Visualization
- Deep Learning
- Feature Engineering
- Technical Documentation
- Deployment & Integration
- Software Development
- Algorithm Optimization
- Performance Evaluation
- Business Intelligence

TECHNICAL SKILLS

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-Learn
Data Visualization Tools: Power BI, Seaborn, Matplotlib
Programming Languages: Python, Java, C, MySQL
Web Development: HTML, CSS, JavaScript, Flask
Data Analysis Libraries: Pandas, NumPy
Deep Learning Techniques: CNN, LSTM
Version Control: Git
Cloud Platforms: Hugging Face, AWS
Statistical Analysis: R, SPSS
Technical Documentation: LaTeX
ML Frameworks: TensorFlow, PyTorch, Scikit-Learn
Data Visualization Tools: Power BI, Seaborn, Matplotlib

CERTIFICATIONS

Exploratory Data Analysis for ML from Coursera (IBM), Oct'23 | 77.50%
Supervised Machine Learning: Regression from Coursera (IBM), Nov'23 | 84%
Supervised Machine Learning: Classification from Coursera (IBM), Feb'24 | 88.62%
Java Programming from HackerRank, Jul'23

SAGAR KUMAR

sagarsinghrajput.india@gmail.com
+91 9576547062
Bangalore, Karnataka
GitHub
Sagar_Kumar

PROFILE SUMMARY

- A focused professional with specialization in Data Science to tackle real-world technology challenges.
- Adapted quickly to new technologies and concepts, consistently delivering results in fast-paced environments and showcasing a strong commitment to continuous improvement.
- Previously worked as a Data Science Intern at Codsoft; undertook responsibilities that include conducting Data Analysis, developing Machine Learning models, and implementing projects, which notably enhanced technical skills and industry insights.
- Pursued Foundational Level in Programming and Data Science from IIT Madras in 2024.
- Skilled in Python & Java, with expertise in Data Visualization tools like Power BI and LaTeX.
- Optimized data processing efficiency and accuracy through innovative algorithm development having impactful contributions.
- Engineered a sophisticated voice detection system, Deepfake Voice Detection System Project, showcasing advanced Machine Learning capabilities.
- Expertise in advance Python libraries such as, Pandas, NumPy, and Scikit-Learn for effective data analysis.
- Illustrated strong communication and problem-solving skills, fostering teamwork to drive project success with a collaborative mindset.

INTERNSHIP

Data Science Intern | Codsoft | Oct'23- Oct'23
Key Result Areas:

- Participated in Data Analysis, Machine Learning, and project implementation.
- Utilized tools like: **Programming Languages**: Python, SQL, **Machine Learning Libraries**, Scikit-learn, TensorFlow, **Data Visualization Tools**: Various visualization libraries (e.g., Matplotlib, Seaborn

Highlights:

- Improved proficiency in Python, SQL, and Data Visualization tools.
- Worked with cross-functional teams to design and deploy Machine Learning models, contributing to innovative solutions.

ACADEMIC PROJECTS

Title: TrustTone: Deepfake Voice Detection System
Technologies Used: CNN-LSTM, MFCC, HTML, CSS, JavaScript, Flask, Python
Key Result Areas:

- Utilized advanced hybrid CNN-LSTM models and MFCC feature extraction to identify manipulated audio.
- Achieved high accuracy and robust performance metrics, addressing critical needs in audio forensics.
- Developed a website using HTML, CSS, JS, and Flask for data collection and model deployment.

EDUCATION

- MCA from Central University of Karnataka in 2024 | 75.13%
- Foundational Level in Programming and Data Science from IIT Madras in 2024 | 6.0 CGPA
- BCA from R N College, Hajipur in 2018 | 72.62%
- 12th from S N N R College, Chamtha, Begusarai in 2015 | 75.4%
- 10th from Rajkiya Krit S N N H/S, Chamtha, Begusarai in 2013 | 64.8%

SOFT SKILLS

- Effective Communication
- Critical Thinking
- Feedback Reception
- Teamwork

- Provided a user-friendly interface for interaction and real-time detection.

Highlight:

- Achieved high accuracy and robust performance metrics, addressing critical needs in audio forensics.

Title: Nail Disease Detection
Technologies Used: OpenCV, Scikit-learn (Random Forest, KNN), Gabor Filtering, Gaussian Filtering, Variance Filtering, Python, Hugging Face
Key Result Areas:

- Developed an innovative solution for detecting various nail diseases using Python, OpenCV, and Scikit-learn.
- Classified eight distinct nail diseases and identified healthy nails through advanced image processing techniques.

Highlights:

- Employed Gabor feature extraction, Gaussian filtering, and variance filtering on a dataset of **120** images.
- Achieved **86%** accuracy with Random Forest and **77%** with KNN Classifiers, deploying the model on Hugging Face for public accessibility.

Title: Automatic Number Plate Detection
Technologies Used: CNN, OpenCV, Python, TensorFlow
Key Result Areas:

- Developed an automatic number plate detection system utilizing a Convolutional Neural Network (CNN).
- Worked on image preprocessing, feature extraction, and training of a CNN model for accurate detection.

Highlight:

- Achieved high accuracy in recognizing number plates, implemented using Python, OpenCV, and TensorFlow.

PERSONAL DETAILS

Date of Birth:	01st April 1997
Languages Known:	English, Hindi
Address:	Bangalore, Karnataka 560050