

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-

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%

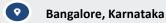
Supervised Machine Learning: Classification from Coursera (IBM), Feb'24 | 88.62%

Java Programming from HackerRank, Jul'23

SAGAR KUMAR













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
- 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

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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