Ahammed Shihabudeen

Data Scientist

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Summary

Experienced Data Scientist with a strong background in Python, machine learning, and data analysis. Skilled in SQL, statistical modeling, and data visualization. Proficient with tools like TensorFlow, scikit-learn, Pandas, and NumPy, as well as Tableau and Power BI. Known for transforming complex datasets into actionable insights and delivering impactful data-driven solutions. Passionate about data science and analytics, and eager to bring expertise to innovative projects.

Skills

Programming Languages:	Python, R ,
Data Science / ML:	TensorFlow,scikit-learn,Keras,PyTorch,Pandas,NumPy,SciPy, Natural Language Processing (NLP)
Data Analysis:	SQL, SQLite, MySQL, Statistical Analysis, Matplotlib, Seaborn, Plotly, Tableau, Power BI
Tools:	Jupyter Notebooks, Spyder, PyCharm, RStudio Git, GitHub, Apache Spark, Hadoop
Others:	Amazon AWS (EC2, S3, Lambda), Data Structures & Algorithm, Google Cloud Platform (GCP),Microsoft Azure
Soft Skills:	Team player, Bias for action, Deliver results, Project planning & Management, Collaborative Learner

Education

Diploma in Artificial Intelligence and Machine Learning 2022 - 23
Kerala University, TKM International Centre for Training and Placement CGPA: 8.3

Project: *"Sentiment Analysis Of Text"*

Bachelor of Science in Electronics 2018 - 21
Kerala University, National College Of Arts And Science, Thiruvananthapuram CGPA: 6.9

Project: *"Multi Object Detection (MOT) by Raspberry Pi AI Processor"*

Higher Secondary - Science 2016 - 2018
Kerala State Board, Govt Model (Boys) Higher Secondary School, Tvm, Kerala Percentage: 78%

Higher School - SSLC 2015
Kerala State Board, St.Marys Higher Secondary School, Tvm, Kerala Percentage: 82%

Work History

Data Scientist 07/2023 to present
Srishti Innovative Pvt Limited, Tvm, Kerala

Technologies: Python • Machine Learning • Deep Learning • Django • Flask • Git

- Designed, developed, and maintained scalable and maintainable data processing and machine learning systems using Python and SQL, incorporating best practices in software development.
- Researched and experimented with new technologies, machine learning frameworks, and best practices to continuously improve data science processes and stay updated with industry trends.
- Conducted in-depth training sessions and provided mentorship in various aspects of data science, including machine learning, statistical analysis, and data visualization.

AI/ML Intern 04/2023 to 06/2023
NIELIT Calicut, Kerala

Technologies: Python • R Programming• Apache Spark • Hadoop • Linux

- Gained hands-on experience in the full data science lifecycle, from data collection and preprocessing to model development and evaluation, with proficiency in Python and R.
- Collaborated with senior data scientists and cross-functional teams, enhancing understanding of advanced concepts and contributing to a productive work environment.

Main Projects

Sentiment Analysis of Text

Designed and implemented a sentiment analysis system to evaluate the emotional tone of text data, enabling automated sentiment classification.

- Developed a robust sentiment analysis model using NLP techniques and machine learning algorithms, leveraging NLTK and spaCy for text preprocessing and feature engineering, and integrated it into a user-friendly Streamlit web application for real-time sentiment predictions. Created a face detection and recognition algorithm using OpenCV.

Technologies Used: Python, NLTK, spaCy, TF-IDF, SVM, Random Forest, Gradient Boosting, Streamlit

Smart Attendance System using Face Recognition GitHub

Developed an advanced attendance tracking system using sophisticated face recognition algorithms for accurate and efficient attendance management.

- Developed a face detection and recognition algorithm using OpenCV and Dlib, with a MySQL database for face embeddings and identifiers, and Pandas for data manipulation. Integrated a user-friendly interface for real-time notifications, attendance status, recognized faces, and session logging.

Technologies Used: OpenCV, Dlib, Python, Streamlit

Mini Projects

- **ML with Django - Crop Disease Detection**
- **ML with Django - Covid-19 Detection Using Chest-CT Scan**