Karthik kumar Cholleti

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First year Data Science Graduate Student with hands -on experience in Machine Learning and data Analysis. Passionate about utilizing my technical and analytical skills to solve real-world problems and make data-driven decisions. Seeking an internship for Summer 2025.

EDUCATION

Michigan Technological University, Houghton, Michigan

MS, *Data Science***,** GPA: 3.83 *Expected December 2025*

Jawaharlal Nehru Technological University

Bachelor of Technology, Civil Engineering, CGPA: 6.75 *June 2018 – July 2022*

SKILLS

Programming Languages: Python, R, SQL
Data Science: Machine Learning, Deep Learning, Data Visualization, EDA, Feature Engineering
ML/DL Tools: TensorFlow, Keras, Scikit-Learn, OpenCV, GitHub
Web Development: HTML, CSS, JavaScript
Mathematics for ML & DL: Statistical Methods, Big Data and Analytics, Regression Analysis, Predictive Modeling.

PROFESSIONAL EXPERIENCE

Data Science Trainee | Naresh I Technologies| Hyderabad, India *Nov 2022 – Feb 2023*

Project: Engaged in 15+ real-time projects focusing on CRISM-DM methodologies and ML techniques.

- Analyzed data sets to solve business problems using Python libraries (NumPy, Pandas, Seaborn, Matplotlib).
- Designed and automated 3+ Data Pipelines for processing large datasets and developed Machine Learning algorithms.
- Trained models using ANN & CNN, achieving an accuracy of 85% for predictive analysis & classification tasks.
- Improved database performance by 40% by tuning SQL queries and reduced query execution time by 30%.

PROJECT EXPERIENCE

LINK • https://github.com/karthikkumarcholleti

Stock Market Trend Prediction and AI Assistant Integration for a "Finance" app. *Sep 2024 – Present*

- Adding a feature by training Machine Learning models for predicting stock market trends with my team.
- Develop an *AI Assistant* using NLP techniques & LLMs to the MTUs upcoming financial app called ***"AutoProphet".***

Analyzing Salary determination in Tech industry *Mar 2024 – April 2024*

- Conducted ***Statistical Analysis*** using R on global salary distribution in Data Science careers.
- Identified key trends, regional variations, and disparity factors. Applied ***logistics data analysis*** to optimize workforce allocation.

Real-time Cricket Match Win Predictor using Machine Learning Algorithms *May 2024 – June 2024*

- Built a *Data Pipeline* to collect statistical data of players from BCCI website, based on their historical performance.
- Used ML algorithms (Random Forest) in forecasting the winning odds at any point of the game with satisfying accuracy.

Real-time Face, Eye and Body Detection using OpenCV Haar Cascades *Nov 2023 – January 2024*

- Implemented Haar Cascade classifiers to detect Faces, Eyes and Bodies in static images, videos and real-time webcam streams and utilized detectMultiScale() method using OpenCV with an accuracy of 85%.
- Designed a system that processes live video feed from a webcam and dynamically highlights detected regions.
- **Technologies used:** Python, OpenCV, NumPy.

CERTIFICATIONS

- Data Science and AI Programmer | NASSCOM Future Skills | *Gold Rank* | *https://shorturl.at/egwG6*