S IYNESHDURAI

Data Scientist / AI ML Engineer

📱 8310785911   ✉ iyneshd@gmail.com

WORK EXPERIENCE

R&D Engineer

Cashlink Global Systems Pvt. Ltd.

05/2023 - Present

CGSPL, offers products including EFT Switch, StarCAS, StarRECON, StarCARDMAN, StarIFPS, and StarM-Pay.

Responsibilities:-

- Developed AI solutions for EFT switch interfaces, focusing on transaction processing and fraud detection.
- Implemented AI models for credit and payment fraud detection, utilizing data preprocessing and random forest classifiers.
- Designed and deployed a VGG16-based AI model for precise face recognition in an HRM app.
- Integrated a Hugging Face pretrained model into an AI-driven chatbot for improved user interaction.
- Applied AI algorithms to optimize transaction processing and detect anomalies in real-time.
- Conducted data-driven analysis to streamline financial transaction workflows and ensure regulatory compliance.

Assistant System Engineer

Tata Consultancy Services

11/2021 - 04/2023

Client: National Stock Exchange (NSE)

Responsibilities:

- Managed DS, CCGW, TLs, and NDR layers in Capital Market (CM).
- Implemented dashboard enhancements using data visualization tools to display market opening screens and track bugs in production servers.
- Extracted and analyzed client data from CSV and Excel files to provide actionable insights.
- Automated shell scripts for efficiency improvements and bug fixes, enhancing operational workflows.
- Extracted and analyzed client data from CSV and Excel files to derive actionable insights for strategic decision-making.
- Utilized data visualization tools and techniques to present analytical findings effectively.
- Gained exposure to financial data management practices and market dynamics.

PROFILE SUMMARY

Data Scientist with 2+ years specializing in AI/ML. Proficient in Python, C++, C, Shell Scripting, SQL, and TensorFlow. Experienced in designing complex solutions, data cleaning, visualization, and model building. Seeking roles in AI/ML to apply skills in innovative projects.

SKILLS

Programming   Fast Learner

Communication Skills   Team leadership

Adavance Analytical Thinking Skill

EDUCATION

M.Tech (Artificial Intelligence and Machine Learning), BITS Pilani

11/2023 - Present

- Current:- 9.29 CGPA

B.E,
ACS COLLEGE OF ENGINEERING (VTU)

09/2016 - 11/2020

- **7.79 CGPA**

HSC,
KENDRIYA VIDYALAYA ASC CENTRE(S)

04/2015 - 05/2016

- CBSE   **83.2 %**

SSLC,
KENDRIYA VIDYALAYA ASC CENTRE(S)

04/2013 - 04/2014

- CBSE   **10 CGPA**

TECHNICAL SKILLS

- **Programming Languages**: Python, C++, Shell Scripting
- **Database**: SQL, PL/SQL, Oracle
- **Operating Systems**: Linux, Windows
- **Low-Code Development**: Visual Studio
- **Tools**: Jupyter Notebook, Google Colab, XShell, Git
- **AI & Data Science Proficiency**: Python (Numpy, Pandas), TensorFlow, PyTorch, Hugging Face
- **Computer Vision**: OpenCV
- **Concepts**: Statistical Analysis, Machine Learning Algorithms, Data Analysis, Data Visualization, Deep Learning, Neural Networks, Model Optimization, Feature Engineering

CERTIFICATIONS

- 5-Star in SQL and Python by HackerRank.
- SQL: Data Reporting and Analysis by LinkedIn Learning.
- Career Essentials in Data Analysis by LinkedIn Learning and Microsoft.
- Deep Learning Neural Networks with TensorFlow by EDUCBA Bridging the Gap on Udemy.
- Complete Python and Machine Learning in Financial Analysis by S. Emadedin Hashemi on Udemy.

ACHIEVEMENTS

- **TCS NQT Cognitive Score:** 1723/1800 (95.74%) - September 2021
- **Star of the Month Award:** September 2022 - October 2022
- **Multiple Best Team Awards:** 2022 - 2023

PERSONAL PROJECTS

Flipkart Category Prediction

01/2024 - 03/2024

- **Data Cleaning**: nltk, spacy, pandas, seaborn, matplotlib
- **Model Development**: LSTM and BERT using scikit-learn-, tensorflow, pytorch, transformers, numpy
- **Notebooks**: Developed for cleaning, LSTM, and BERT models

Diabetics Risk Analysis

10/2023 - 11/2023

- **Data Processing**: Preprocessing, cleaning, visualization
- **Model Building**: Logistic Regression, Decision Tree, Naive Bayes, K-NN, Random Forest, Adaboost.
- **Hyperparameter Tuning**: Fine-tuned model parameters
- **Performance**: Random Forest model performed best

LINKS

Linkedin

Github

HOBBIES

- **Mathematics or Problem Solving Contests:** "Participating in mathematics and problem-solving contests has honed my analytical thinking and strengthened my ability to approach complex challenges with a strategic mindset."
- **Reading Books:** "Engaging with a wide range of books has enhanced my critical thinking abilities, expanded my knowledge base, and fostered a passion for lifelong learning."
- **Football and Basketball:** "Being an active participant in team sports like football and basketball has taught me the value of teamwork, effective communication, and perseverance in achieving common goals."