HARIHARAN ELANGOVAN

Data Scientist

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# PROFESSIONAL SUMMARY

Aspiring Data Scientist with hands-on experience in machine learning, computer vision, and data analysis. Proven ability to design and deploy end-to-end ML solutions, with a strong foundation in Python, SQL, and statistical modelling. Adept at working with cross-functional teams and applying data-driven strategies to solve real-world problems. Passionate about contributing to impactful, scalable AI solutions in domains like geospatial analytics.

# EXPERIENCE

## Data Science Intern

VCODEZ |Chennai 2025-03 – Present

Worked on data cleaning, preprocessing, and visualization for client projects.

Built regression models for predictive analytics.

Assisted in ML model deployment using Flask

Participated in code reviews, stand-ups, and client discussions to ensure project alignment.

## Data Science Intern

360DigiTMG |Chennai 2024-06 – 2025-03

Developed computer vision models for workplace activity recognition using OpenCV, YOLO, and TensorFlow/PyTorch.

Conducted data preprocessing and model training, improving detection accuracy.

Enhanced safety and compliance measures through AI-driven monitoring.

Collaborated with teams to integrate solutions into existing workplace systems.

Contributed to achieving 85% employee satisfaction through seamless system integration.

# PROJECTS

## Mini Social Media App with Toxic Comment Classification

## Python, Flask, Node.js, MongoDB, JavaScript, HTML/CSS, Scikit-learn

## Developed a mini social media platform with features like posting, liking, and commenting.

## Integrated a Logistic Regression model built with Scikit-learn to classify and filter toxic comments in real-time.

## Used Flask for model API and Node.js/MongoDB for backend logic and data storage.

## Implemented text vectorization (Count Vectorizer/Tfidf) to preprocess and analyse user comments.

**Workplace Activity Recognition System**

**Python, Stream lit, TensorFlow, OpenCV, YOLO, Roboflow**

* Built a computer vision system to detect and analyse workplace activities for safety and productivity insights.
* Used a YOLO model (trained via Roboflow) with OpenCV and TensorFlow for real-time activity recognition.
* Developed a user-friendly Stream lit dashboard for live monitoring and reporting.
* Improved operational efficiency and compliance; achieved **85% employee satisfaction** through smooth integration.

**Medical Product Supply Chain System**

**PHP, MySQL, HTML, CSS, JavaScript**

* Built a web-based system to manage and track the distribution of medical products.
* Implemented inventory management, order tracking, and delivery status features.
* Used MySQL for secure and reliable data storage and PHP for backend logic.
* Enhanced supply visibility and reduced delivery delays through real-time updates.

**CERTIFICATIONS** [link](https://1drv.ms/f/c/ab16bbccb8f84a65/EhqtiVvSsgxMgIRzhbrhyJYBMoJFxy5x-RIO4RTRJSr3cA?e=CzdELc)

**Python Programming** 360DigiTMG

**SQL Basics** 360DigiTMG

**Microsoft Power BI** 360DigiTMG

**Data Science & AI** 360DigiTMG

**Python for Data Science** NPTEL

**English Typewriting** Govt. Of Tamil Nadu

**Advanced Microsoft Office** Naanmudhalvan

**Diploma in Desktop Publishing** CSC

# SKILLS

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| --- | --- | --- | --- |
| Python | SQL | MySQL | Supervised Learning |
| Unsupervised Learning | Regression | NLP | Computer Vision |
| Model Evaluation | Predictive Analytics | Data Preprocessing | Feature Engineering |
| Data Cleaning | Pandas | NumPy | Scikit-learn |
| TensorFlow | PyTorch | Matplotlib | Seaborn |
| Power BI | Tableau | MS Office | Google Collab |
| Jupyter | Spyder | Flask | AWS EC2 |
| Hadoop  Effective Communication | Git | Critical Thinking | Problem-Solving |
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# EDUCATION

## Artificial Intelligence - Diploma Course 2025

## in association with the State University of New York, USA.

## 360DigiTMG

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| Professional Program in Data Science and AI  **Bharath college of science and management Thanjavur** | 2024 – 2025 |
| Bachelor of Science in Information technology | 2021 – 2024 |

**Leadership & Extracurricular Activities**

* + **Student Vice President**, Department of IT – Represented student body and coordinated departmental events
  + **NSS Coordinator** – Led social initiatives and community service programs