

Manthan Waghmare

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 [Manthan Waghmare](#) |  [Manthanworks](#)

Nagpur, Maharashtra 440015, India

OBJECTIVE

Aspiring Data Analyst with a keen interest in turning numbers into stories. Possessing foundational knowledge of data analysis concepts, eager to learn and apply skills in real-world projects. Looking for opportunities to develop expertise in data cleaning, visualization, and analysis. .

EXPERIENCE

• Mini Project

URL PHISHING DETECTION - USING MACHINE LEARNING ALGORITHMS

- This project focused on developing a phishing website detection model. A dataset of phishing URLs was collected and subjected to feature extraction and selection to identify relevant attributes. Subsequently, the dataset was employed to train several machine learning algorithms, including Decision Trees, Random Forest, XGBoost, SVM, K-Nearest Neighbors, and Logistic Regression. The models were evaluated to determine their effectiveness in accurately classifying websites as phishing or legitimate.

• Minor Project

HIGHWAY ACCIDENT SAFETY MONITORING SYSTEM

- This project developed a prototype for a real-time monitoring and warning system aimed at preventing highway accidents. The system utilizes GPS data to track vehicle location, speed, and time, generating alerts for potential hazards. By integrating real-time information, the system provides timely warnings and suggested routes to enhance driver safety. The ultimate goal is to improve emergency response procedures and create a safer driving environment. This prototype demonstrates the feasibility of a system that can significantly contribute to highway safety
- – Real-time GPS tracking
- – Speed and location monitoring
- – Hazard detection and alert generation
- – Optimized route suggestions.

EDUCATION

• GHRCE

B.tech - Artificial Intelligence

- GPA: 7.5

Nagpur, Maharashtra

• Somalwar Nikalas

Pre-University Education

- Grade: 85%

2021

Nagpur, Maharashtra

• Sanskar Vidya Sagar

Secondary Education

- Grade: 84.20%

2019

Nagpur, Maharashtra

PROJECTS

• URL PHISHING DETECTION - USING MACHINE LEARNING ALGORITHMS

Tools: [Python, Machine Learning Algorithms]

- * Developed a phishing website detection model to classify websites as phishing or legitimate.
- * Collected and preprocessed a dataset of phishing URLs for model training.
- * Extracted and selected relevant features from the dataset.
- * Implemented various machine learning algorithms (Decision Trees, Random Forest, XGBoost, SVM, KNN, Logistic Regression) for classification.
- * Evaluated model performance to determine accuracy in identifying phishing websites.

• HIGHWAY ACCIDENT SAFETY MONITORING SYSTEM

Tools: [Python, web development, IOT devices]

- * Developed a real-time monitoring system to prevent highway accidents.
- * Utilized GPS data for tracking vehicle location, speed, and time.
- * Implemented a hazard detection algorithm to generate timely alerts.
- * Provided optimized route suggestions to enhance driver safety.
- * Demonstrated the feasibility of improving emergency response and creating a safer driving environment.

SKILLS

- **Programming Languages:** Python, Java, C++
- **Web Technologies:** HTML, CSS, Javascript
- **Database Systems:** PostgreSQL, MySQL
- **Data Science & Machine Learning:** Pandas, NumPy, Matplotlib, Scikit-Learn, XGBoost, R, SQL
- **DevOps & Version Control:** Git, Github
- **Other Tools & Technologies:** Low-level Designing, Dynamic web page development, PowerBI, Tableau.

LEADERSHIP EXPERIENCE

- **Co- Lead : Antaragini** *March 2024*
Jarvis/GHRCE
 - Co-lead a cross-functional team in the planning and execution of cultural event
 - Increased student engagement and participation in cultural activities

VOLUNTEER EXPERIENCE

- **Volunteer** *March 2023*
AI-Odyssey / GHRCE
 - Contributed to the successful execution of the event
 - Played a pivotal role in optimizing event operations
 - Developed effective team management skills

CERTIFICATIONS

- **Udemy:** Java Programming
- **Codehelp:** Low-level Designing
- **Accenture Forage:** Developer and Technology Job Simulation

ADDITIONAL INFORMATION

Languages: English (Intermediate), Hindi (Intermediate), Marathi (Intermediate)

Interests: Calisthenics, Music, Philosophy

REFERENCES

1. **Pratiksha Waghmare**
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Fendahl International
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Phone: 7972727077
Relationship: Mentor