



KARTHIK TAVATARI

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Madanapalle, Andra Pradesh, India-517326

Objective:

Aspiring web developer with a keen interest in leveraging Machine Learning, Data Science with Python development, to create innovative and efficient Web applications. Seeking an opportunity to utilize my skills in communication, presentation, and technical expertise to contribute to a dynamic team and drive impactful projects.

Education:

- Madanapalle Institute of Technology and Science, Madanapalle** 2021-2025
Computer Science and Engineering – AI (9.12/10 CGPA)
- Sri Vivekananda Junior College, Chittoor** 2019-2021
Board of Intermediate Education-A. P(MPC) (928/1000 Marks)
- Sri Chaitanya Children's Academy, Venkatagiri Kota** 2018-2019
Secondary School of Education -A. P (9.7/10 CGPA)

Projects:

Quantitative Analysis of Stock Market using Python: It is a methodology that utilizes mathematical and statistical techniques to analyse stock and financial markets. By using the stock.csv data set. ML Libraries used for this analysis is **Pandas and Matplotlib**.

E-commerce Customer Segmentation: This project involves using K-means clustering to categorize e-commerce customers into distinct segments based on purchasing behaviour and demographics, enabling targeted marketing strategies and personalized customer experiences. Libraries: **Scikit-Learn, Matplotlib, Seaborn**

Face-Recognition Based Attendance System: This project involves developing an automated attendance system using face recognition technology to accurately and efficiently record attendance. The system captures images of individuals, identifies and verifies their faces against a pre-stored database. **Flask, JavaScript** framework is used to implement and **OpenCV** library for image recognition.

Experience:

- Software Development Intern, Standard Insights-Chennai** -2024
Working on a project Sales Forecasting and Inventory Optimization using Python Web development and Machine Learning. That forecast the sales of a product in a company and optimize the product inventory.
- Data science and Analytics Intern, Zidio Developments-Bangalore** -2024
I am currently undergoing training with a company in the domain of Data Science and Analytics. Simultaneously, I am working on projects to gain practical industrial skills in these.
- Artificial Intelligence Intern, Math Works-Bangalore** - 2023
During my four-month internship at MathWorks, I gained valuable skills and knowledge in the utilization of the **MATLAB** platform. I successfully completed a significant project centered around "Vehicle Number Plate Detection" with machine learning tools **OpenCV**.

Certifications and Badges:

- Google Finance Data Analyst Professional Certification – Coursera
- Earned badges of beginner, Intimidate, Advanced from Google Cloud skill boost on Gen AI.
- Machine Learning with Python – Free Code Camp
- Data Structures and Algorithms with python -Infosys-springboard
- Visualizing Data with Python – EDX(IBM)
- Machine Learning for Data Science Projects – IBM
- Java programming Certification – Data Flair

Technical Stack:

Libraries and Frameworks: TensorFlow, Scikit-Learn, Pandas, NumPy, Matplot, Seaborn, Flask.
Programming Languages: Python, Java, SQL, C, JavaScript, MongoDB, Scala, HTML5, CSS3.
Data Management: Hadoop, Spark, Hive.
Tools and Platforms: Google Collab, GitHub, Replit, VS-code, MATLAB.

Hackathons and Workshops:

- Smart India Hackathon-2024:** Proposed "Digital Assistant for Legal Awareness" at the Smart India Hackathon, bridging gaps in legal information accessibility. Application that brings awareness on LAW.
- MITs-Intra-Hackathon-2022.** Developing the food ordering application.
- Participated in HackOdisha 3.0-2023**

- Attended Five Days International Level Online Short-Term Training Programme on Unveiling Emerging Trends in AI.
- Microsoft Learn Student ambassador (Azure AI Fundamentals AI-900 challenges).

Extracurricular Activities:

- I have organized and volunteered Two offline events in ASHV-2K24 which held in MITS.
- I have been continuing as class representative in the last 2 years in B.Tech.
- I am the member of Two responsibility clubs at MITS and took part in the events we organized.

Areas of interest: