

TAVATARI KARTHIK

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Summary:

Driven CSE graduate with passion for AI, ML, and Web Development. Strong understanding of programming concepts and algorithms. Seeking collaborative environment to grow.

Education:

- Madanapalle Institute of Technology and Science (JNTUA), Madanapalle**
Computer Science and Engineering – AI (9.06 CGPA) **2021-2025**
- Sri Vivekananda Junior College, Chittoor**
Board of Intermediate Education - A. P (92.8%) **2019-2021**
- Sri Chaitanya Children’s Academy, Venkatagiri Kota**
Secondary School Certificate (9.7) **2018-2019**

Programming Expertise:

- **Languages:** Python, Java, C, PHP
 - **Machine Learning:** TensorFlow, PyTorch, Kera’s, Scikit-learn, OpenCV, Matplotlib.
 - **DevOps Tools:** Git, GitHub, VS code, Collab, Replit, PyCharm.
- **IAM tools:** Okta, SailPoint, CyberArk (PAM)
 - **Web Development:** Flask, HTML5, CSS3, JavaScript.
 - **Database:** SQL, MySQL, MongoDB.
 - **OS:** Windows, Ubuntu.

Projects:

- Developed a Speech Emotion Recognition system** using the Toronto Emotional Speech Set (TESS) dataset, leveraging MFCC for feature extraction and machine learning models like SVM and Random Forest for emotion classification. Enhanced skills in Python, audio processing, and model development throughout the project.
- Developed a **Face recognition-based attendance system utilizing web technologies** for enhanced accuracy and efficiency in tracking attendance. (Machine Learning, Flask, HTML, CSS, JavaScript)
- Developing a project to **Forecast the sales and to Optimize the Inventory** of the products using the PROPHET and ARIMA time series models. (Machine Learning and Web Development)

Internships:

- 1. Cyber Security intern**
IAspire Mind Foundation
(Bhubaneswar)jan- June(2025)
- 2. Software Development Intern,**
Standard Insights
(Chennai) Jun- Sept (2024)
- 3. Artificial Intelligence Intern,**
MathWorks
(Bengaluru)May-Sept (2023)

Certifications and Badges:

- Certified Cyber Security Professional** – IAspire Mind Foundation
 - Java Programming Certification** – Udemy
 - Machine Learning for Data Science Projects** – IBM
 - Microsoft Certified Power-BI Data Analyst Associate** - Microsoft
- Data Structures and Algorithms using Python**
 - Visualizing Data with Python** – EDX (IBM)
 - Acquired Google Cloud Skill Boost badges** after finishing courses in Generative AI.

Hackathons and Workshops:

- Smart India Hackathon 2024:** Proposed and developed the "Digital Assistant for Legal Awareness," an application aimed at improving accessibility to legal information and promoting legal awareness.
- Recognized by Unstop for participation in **Namma Yatri Open Mobility Challenge**
- Engaged in various coding challenges and hackathons, consistently progressing to advanced levels.

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 graduation.

Achievements:

- Received an award for successfully organizing department and college fests at Madanapalle Institute of Technology and Science (MITS).
- Solved 100+ problems on Leetcode Platform.

Communication Skills: Interpersonal communication, public speaking, Team management.

Date: 20/06/2025

Signature: T Karthik