Ravula Charan

AI & ML | Data Analyst | Emerging Tech Enthusiast

ravulacharan7@gmail.com | +91 7416160065 | LinkedIn | GitHub | Portfolio

Professional Summary

Motivated and detail-oriented computer science graduate with a strong grasp of data structures, algorithms, and object-oriented programming. Passionate about Artificial Intelligence, Machine Learning, and Data Analytics, I aim to apply analytical thinking and programming expertise to build intelligent, data-driven solutions. Committed to excellence, teamwork, and responsibility, I seek opportunities that foster continuous learning, innovation, and meaningful impact in the field of technology.

Technical Skills

Languages: Python, Java, SQL, HTML, CSS
Frameworks/Libraries: Pandas, NumPy, Matplotlib, scikit-learn
Tools & Platforms: Power BI, GitHub
Core Concepts: Data Structures & Algorithms, Machine Learning, AI Automation, Data Analytics, Object Oriented Programming,

Live Production Websites

Name Finder: generates creative brand names with copy, favorites, and domain-check features using pure HTML, CSS, and JavaScript. View Site
Allfincal: One stop place to all your financial Calculation. View Site

Proof of Work (personal projects Using AI Tools)

Medifinder – AI-Assisted Medicine Locator: Flask-based web tool integrating geolocation APIs to locate nearby pharmacies and visualize optimal medicine routes.
Posture Spine Recognition: Camera-based AI system using computer vision to monitor and analyze posture in real time. View Demo "click to redirect to webpage"
Mood Magic Cam: Emotion recognition app leveraging ML models to detect facial expressions and map moods to responsive interface behavior. View Demo "click to redirect to webpage"

Projects

Intelligent Malware Detection Using Random Forest Algorithm   *Jan–Jul 2024*
Built malware detection pipeline with 96% accuracy using ensemble learning and feature engineering.

Experience

AI Intern (Python Developer) – Codsofts (Remote)   *Aug–Sep 2023*
Developed chatbot using NLP mapping to improve query accuracy.
Implemented Minimax-based AI logic for Tic Tac Toe with optimal decision-making.
Built CNN-LSTM image captioning model for automatic image-to-text generation.

Certifications & Trainings

Artificial Intelligence Foundations: Machine Learning – LinkedIn
Prompt Engineering with ChatGPT – LinkedIn
Building a Personalized Chatbot with OpenAI and LangChain – LinkedIn
Python Bootcamp – Udemy
Career Essentials in Data Analysis – Microsoft + LinkedIn

Education

SRM Institute of Science and Technology, Chennai   *May 2025*
Bachelor of Technology in Computer Science and Engineering
CGPA: 8.94 / 10

Soft Skills

- Analytical Problem-Solving • Technical Communication • Data Interpretation
- Adaptability to Emerging Tech • Excellence • Team Work • responsibility