KAKUMANU YASWANTH VARDHAN

+91 9505989949 | yaswanthvardhan216@gmail.com | linkedin.com/in/yaswanth-vardhan-kakumanu

EDUCATION

Bachelor in Computer Science and Business Systems	2022 – Present
R.V.R & J.C College of Engineering, Guntur	CGPA: 8.54/10

SKILLS

Machine Learning & AI	Supervised Learning (Logistic Regression, SVM), Deep Learning (Neural Networks, CNNs), NLP (Sentiment Analysis), Computer Vision (OpenCV), Model Optimization
Technical Skills	Python, JavaScript, React.js, HTML, CSS , Python, Java
Tools & Technologies	Git, GitHub, Colab
NLP	Vector Embeddings, Vector DB, NLTK
Software Development	OOPS, DS&A

EXPERIENCES

AI-ML Intern | APSCHE   Jan 2024 – Mar 2024

- Developed a **Deep Learning-based disease classification model**, achieving **92% accuracy** in detecting conjunctivitis and processing **5,000+ medical images** for improved dataset quality.

- Integrated the model into a **Flask web app**, enabling real-time disease detection and reducing diagnosis time by **80%**, while optimizing Neural Network parameters to enhance generalization by **15%**.

Chair, IEEE Computer Society & IEEE Nanotechnology Chapter   Jan 2025-Present
- Led 10+ technical events, increasing student engagement by 40% and benefiting 500+ students.
- Organized AI & cybersecurity workshops, boosting participation by 30%.

Event Organizer   Oct 2023-Present
- Managed a 24-hour hackathon and multiple coding competitions, ensuring seamless execution for 200+ participants.

Volunteer, IEEE IES SYP Congress 2024   April 2024-July 2024
- Coordinated logistics and speaker management for a 3-day global congress with 200+ attendees.

Ambassador Roles (Shaastra '25, AISYWLC 2024, YESIST12 2025, TechX SYP 2025)   Oct 2024-Present
- Drove 1,000+ student engagements, increasing participation by 30% through strategic outreach.

Team Member, IEEE YESIST12 2025   Jan 2025-present
- Contributing to a global innovation challenge, assisting in event execution and student engagement.

PROJECTS

URL Shortener with QR Code and Analytics (Python, Flask)

- Designed a Flask-based URL shortener with QR code generation and analytics, processing 500+ URLs/month and reducing link access time by 40%.

- Enhanced versatility with downloadable QR functionality, enabling offline access for 200+ users, and integrated real-time analytics, providing insights on 500+ link interactions per month beyond traditional shorteners.

Employee Management System (Java, CLI-Based)

- Built a CLI-based Java Employee Management System using OOP principles, improving data processing efficiency by 35%.

- Designed the system for scalability and future database integration, improving data retrieval efficiency by 35% and ensuring seamless management of 1000+ employee records.

AI-Powered Sentiment Analysis for Movie Reviews

- Developed an AI-based sentiment analysis model using Natural Language Processing (NLP) to classify movie reviews as Positive, Negative, or Neutral with an 85% accuracy.

- Integrated the model into a Flask web application with a user-friendly interface, improving accessibility and engagement by 40% compared to a CLI-based version.

CERTIFICATIONS

- IBM - Prompt Engineering - 1e51e0e0bd6b4c119aefe0b7f4984e9d

- Deeplearning.ai - Finetuning and AI Agents - https://shorturl.at/Qcz1b

- Kaggle - Introduction to Machine Learning - https://shorturl.at/FJRsC

- Databricks - Generative AI Fundamentals - https://shorturl.at/HMkYF

- IBM - Artificial Intelligence Fundamentals - https://shorturl.at/XwPBo

- NPTEL - Programming in Java, Joy Of Computing Python

- IT-ITeS SSC nasscom - Digital 101 - FSP/2025/2/9886220

- AICTE Eduskills - AI-ML, Android Developer - 81eb0803dc9bb1354b2b9da4fd7cff96