Karri Deepak Seshu Reddy

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Skills Summary

- **Languages**: C, C++,Python, Dsa, Java
- **Machine Learning:** NLP, Image Processing, Neural Networks, Transformers
- **Frameworks**: HTML and CSS, NodeJS, React
- **Tools/Platforms**: Python libraries, Git, Github
- **Soft Skills**: Problem-Solving,Teamwork & Collaboration,Adaptability,Time Management

Summer Training

Data Structures and Algorithm - Self Paced May 2024 - Aug 2024

- Completed Geeks for Geeks DSA Self-Paced Course covering essential Data Structures and Algorithms concepts.
- Solved 400+ coding problems and worked on coding assignments & quizzes for hands-on practice.
- Gained expertise in arrays, linked lists, stacks, queues, trees, graphs, dynamic programming, and more.
- Improved problem-solving skills for technical interviews and competitive programming.

PROJECTS

Heart Disease Prediction |LPU Oct 2024 - Nov 2024

- Models Implemented: Trained and tested Logistic Regression, Random Forest, SVM, Decision Tree, and KNN on a classification dataset.
- Performance Achievements: Evaluated model accuracy, with KNN (90%) and SVM (87%) performing the best.
- Data Visualization: Used bar charts, heatmaps, histograms, and pair plots to analyze model performance and feature relationships.
- **Tech** : Python, Scikit-learn, Matplotlib, Seaborn, Pandas for model training, evaluation, and visualization.

Image Classification using CNN|LPU Sept 2024- Oct 2024

- Models Implemented: Developed a deep learning model using Convolutional Neural Networks (CNNs) for multi-class image classification.
- Performance Achievement: Achieved 89% test accuracy in classifying images across 8 categories.
- Data Visualization: Analyzed model performance using confusion matrices, accuracy/loss plots, and sample predictions to interpret results effectively.
- **Tech :** Processed 6,000+ training and 1,000+ testing images with data augmentation (rotation, zoom, shift), improving model generalization by 6%.

Personal Portfolio Website: June 2024 – Aug 2024

- Developed a responsive personal portfolio website with HTML, CSS, and JavaScript, achieving full mobile compatibility and 100% responsiveness.
- Showcased 5+ personal projects and incorporated interactive animations, enhancing user engagement by 40%.
- Integrated a functional contact form, streamlining communication with site visitors.
- **Tech**: HTML, CSS, Javascript.

Achievements

- **Research Paper Publication:** Feb 2025
  Image Classification Research Paper accepted and published in RTET Conference Proceedings, indexed by Scopus and Crossref.

Certifications

- Cloud Computing by NPTEL Swayam. July 2024 - October 2024
- Mastering Data Structures and Algorithms By Using C and C++ (Udemy) March 2024
- Dynamic Programming, Greedy Algorithms (Coursera) May 2024
- Generative AI with Large Language Models (Coursera) March 2024
- Programming in C++: A Hands-on Introduction (Coursera) February 2024
- Become a Data Scientist (LinkedIn) February 2023

Education

- **Lovely Professional University** Punjab, India
  Bachelor of Technology - Computer Science and Engineering; CGPA: 7.62 *Since August 2022*
- **Sri Chaitanya junior college** Vijayawada, AP
  Intermediate; Percentage: 97.5% *June 2020 - March 2022*
- **Sri Chaitanya school** Penugonda, AP
  Matriculation; Percentage: 85% *April 2019 - March 2020*