ROHAN REDDY KOLLA

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EDUCATION

Bachelors in Technology (Artificial Intelligence) *Ecole Centrale School of Engineering, Mahindra University* CGPA: 7.7/10	**Sep 2020 – Aug 2024** Hyderabad, Telangana
Intermediate, FIITJEE College *Percentage: 87%*	**June 2018 – May 2020** Hyderabad, Telangana
10th Grade, Delhi Public School (CBSE) *Percentage: 87%*	**June 2011 – May 2020** Hyderabad, Telangana

WORK EXPERIENCE

Company Name :- (Random Trees)

Document Extraction App
- Developed a mobile application using generative AI for real-time document extraction on edge devices, leveraging Android Studio, Python, and OpenAI API.
- Implemented a quantized LLAVA model for efficient and accurate data processing, enhancing automation and privacy without relying on constant internet connectivity.

PROJECTS

Personal Portfolio Website
- Developed a comprehensive personal portfolio website showcasing my skills, projects, and professional experiences. (Portfolio)

Neural Architecture Search
- Synthesis of ANN architecture using evolutionary algorithms.
- Worked with PSO (Particle Swarm Optimization), DE (Differential Evolution), and GA (GeneticAlgorithms).

Reinforcement Learning Projects
- Designed and implemented reinforcement learning projects, applying algorithms like Deep QNetworks and Policy Optimization to solve complex problems.
- Achieved significant performance improvements in tasks such as playing games andcontrolling robots, showcasing expertise in the application of cutting-edge machine learning techniques.

Malware Analysis
- Curated a dataset of images containing both malware and non-malware to distinguish between the two categories.
- Analysis, detection, and mitigation of potential threats using deep learning techniques.
- Used machine learning techniques like KNN, naive-bayes, Decision trees, CNN, and Perceptron's to analyze malware and see which method produced the most accuracy.

Loan Prediction
- Implemented a loan prediction model utilizing linear regression, logistic regression, and k-means algorithm. Achieved enhanced accuracy and decision-making transparency.

RELEVANT COURCE WORK AND TECHNICAL SKILLS

Data Structures and Algorithms, Database Management Systems, Machine Learning, Neural Networks DeepLearning, Reinforcement Learning, Natural Language Processing, Computational Sequence Modeling, Operating Systems, Object Oriented Programming, Optimization Techniques of AI, Numerical Methods, Digital Image Processing, Computer Networks, Design and Analysis of Algorithm, Software Engineering, Big Data, HPC.

Languages: C/C++, Python, Java, JavaScript, MySQL, HTML, MATLAB, Scala.

Developer Tools: Git, GitHub, VS Code, Figma, Anaconda, Docker, kubernetes, terraform, Azure.

CREDITED COURCES AND ACHIEVEMENTS

Certifications: -
- The Complete Python Developer by Andrei Neagoie (Certificate)
- The Data Scientist Course: Complete Data Science Bootcamp by 365 Career(Certificate)
- Docker, Kubernetes, Terraform and Azure Devops Course (Certificate)

Achievements: -
- Vice-Captain of my university football team. Helped win several college level tournaments.
- Key member of Enigma (Computer Science Club).