Rohan Reddy Kolla

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Education

Bachelors In Technology (Artificial Intelligence)   **Sep 2020 – Present**
Ecole Centrale School of Engineering, Mahindra University   *Hyderabad, Telangana*
CGPA: 7.8/10

Intermediate, FIITJEE College   **June 2018 – May 2020**
Percentage: 87%   *Hyderabad, Telangana*

10th Grade, Delhi Public School (CBSE)   **June 2011 – May 2018**
Percentage: 87%   *Hyderabad, Telangana*

Relevant Coursework

Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Machine Learning, Deep Learning, Reinforcement Learning, Natural Language Processing, Computational Sequence Modeling, Operating Systems.

Projects

Document Extraction App   **Feb 2024 – May 2024**
- 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.

Neural Architecture Search   **Aug 2023 – Dec 2023**
- Synthesis of ANN architecture using evolutionary algorithms.
- Worked with PSO (Particle Swarm Optimization), DE (Differential Evolution), and GA (Genetic Algorithms).

Reinforcement Learning Projects   **Aug 2023 – Dec 2023**
- Designed and implemented reinforcement learning projects, applying algorithms like Deep Q Networks and Policy Optimization to solve complex problems.
- Achieved significant performance improvements in tasks such as playing games and controlling robots, showcasing expertise in the application of cutting-edge machine learning techniques.

Malware Analysis   **Feb 2023 – Aug 2023**
- 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   **Feb 2022 – June 2022**
- Implemented a loan prediction model utilizing linear regression, logistic regression, and k-means algorithm. Achieved enhanced accuracy and decision-making transparency.

Technical Skills

Languages: C/C++, Python, Java, JavaScript, MySQL, HTML, MATLAB, Scala.
Developer Tools: VS Code, Figma, Anaconda, Git, GitHub.

Achievements and Extracurricular

- Vice-Captain of my university football team. Helped win several college level tournaments.
- Key member of Enigma (Computer Science Club).
- Have a Udemy certification in a course called "the complete python developer" ([certificate](#))