Ramgopal Reddy

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EDUCATION

The LNM Institute Of Information Technology 12.2021 – present
B.Tech (Computer Science Engineering) Jaipur
CGPA - 6.76
Expected Date of Completion - 05.2025

Sri Chaitanya Junior Kalasala 05.2019 – 03.2021
12th Grade - TSBIE (MPC) Hyderabad
Percentage - 98.4%

PROFESSIONAL EXPERIENCE

LUSIP - Summer Research Intern 05.2023 – 08.2023
- Analyzed over 10,000 social media threads using advanced NLP and deep learning models, achieving an 85% accuracy rate in detecting and measuring toxicity.
- Identified and classified eight distinct types of hate speech and counter-speech, improving trend recognition and enabling precise quantification of hate on a 0-1 scale.

TECHNICAL SKILLS

Languages: Python, C++, SQL, HTML

Libraries/Frameworks: NumPy, Pandas, Seaborn, Scikit-learn, TensorFlow, NLTK

Tools: Microsoft Power BI, Excel, Flask, AWS

Coursework: Object-Oriented Programming (OOP), Database Management Systems (DBMS), Operating Systems (OS), Artificial Intelligence (AI), Probability and Statistics, Machine Learning (ML), Deep Learning (DL)

PROJECTS

End-to End Body Size Chart Generator 08.2024 – 09.2024
Python, Machine Learning, Computer Vision, Flask, AWS
- Programmed and deployed an end-to-end body measurement size chart generator powered by live machine learning models, achieving 86% accuracy on unlabelled data.
- Integrated two dedicated prediction and update pipelines, reducing manual intervention by 30% and ensuring system scalability.
- Applied software development principles to design and implement a self-improving model that dynamically adjusts weights with each new prediction.
- Incorporated a Computer Vision model, boosting system performance and achieving an accuracy rate of 83%.

Chess Engine   12.2023 – 04.2024
Python, PyGame, Algorithms

- Engineered a Python-based chess engine from scratch, implementing move generation, game state tracking, and advanced chess concepts such as Castling and En Passant, with support for over 100 distinct chess moves.
- Enhanced the engine with AI algorithms, including Minimax and Alpha-Beta Pruning, improving strategic decision-making by 40% and significantly boosting overall performance.

Cricket Data Analysis   02.2024 – 03.2024
Python, Web Scraping, BeautifulSoup, Power BI, Excel

- Built and deployed a cricket analytics project by scraping and processing data from online sources using Python and BeautifulSoup.
- Developed a comprehensive dataset of over 2,000 player statistics from the 2023 Cricket World Cup.
- Executed data cleaning and transformation in Excel to ensure data quality and crafted an interactive Power BI dashboard along with a data-driven Super-XI team selection model, enhancing player performance insights by 60%.

CERTIFICATES

Google Advanced Data Analytics   05.2024
Google

ACHIEVEMENTS

- Served as Treasurer on the Executive Council of the ACM Student Chapter at LNMIIT, Jaipur, leading a team of 30 members.

- Active member of the Music Club Capriccio, serving as Lead Singer and Guitarist. Represented the college in 5 events, showcasing musical talent

- Worked as a Content Writer for the Media and PR Body of the college, authoring over 20 official articles, contributing to the college's communications and outreach efforts

- Served as a General Body Member of the Student Council for the 2023-2024 term