

Reneeth Palumalu

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About Me

CS & AI/ML undergraduate at Woxsen University with strong foundations in Python, SQL, Machine learning and data preprocessing. Skilled in Git, GitHub, and software system design, with a passion for solving real-world problems through data-driven and AI-powered approaches. Experienced with modern development tools and collaborative version control practices. Seeking to contribute to innovative AI-driven solutions while continuously growing technically.

Education

Woxsen University 2024 – 2028
B.Tech, Computer Science and Engineering (Artificial Intelligence & Machine Learning)

Technical Skills

Programming Languages: Python
Databases: SQL,NO SQL
Data Preprocessing & Visualization:NumPy, Pandas, Scikit-learn, Matplotlib
Version Control: Git, GitHub
Core Concepts: Data Structures & Algorithms, OOP, Software System Design
Soft Skills: Team Collaboration, Public Speaking, Problem Solving, Adaptability

Academic Projects

House Price Prediction Model Jan 2026 – Feb 2026
[Python, Scikit-learn, Pandas, NumPy, Matplotlib]
• Developed a regression-based machine learning model for house price prediction using data preprocessing, feature engineering, and performance evaluation (MAE, RMSE, R^2).

Netflix Recommendation System Jan 2026
[Python, Pandas, NumPy, Scikit-learn, Collaborative Filtering]
• Built a collaborative filtering recommendation engine on the Netflix Prize dataset to generate personalized movie recommendations.

Disk Scheduling Algorithm Visualizer Ongoing
[Python, Data Structures & Algorithms, Matplotlib]
• Designed an interactive visualizer for FCFS, SSTF, SCAN, C-SCAN, LOOK, and C-LOOK algorithms to compare seek time and scheduling efficiency.

Research: Large Language Models for Drug Discovery Ongoing
[LLMs, NLP, Biomedical AI]
• Investigating state-of-the-art LLMs for drug discovery, molecular prediction, and AI-assisted biomedical research.

Leadership & Extracurricular Activities

Professional Cricket Player & In-Game Captain

Dec 2024 – May 2025

- Led a competitive team of eleven players by developing match strategies, coordinating gameplay, and making real-time tactical decisions during tournaments.
- Competed in U14 and U16 district b division games, hosted by **HCA** ,winning captain of woxsen university 2025 box trophy and wining captain of sakshi tournament khammam demonstrating teamwork, leadership, and strategic decision-making at a professional level.