Marisa Yaswant Ram Sai

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Education

- **Bennett University**
  Bachelor of Technology in Computer Science
  Greater Noida, India
  September 2021 - June 2025

- **Sri Chaitanya educational institutions**
  Secondary Education
  Telangana, India
  March 2021

Programming Skills

- **WebDev**: HTML, CSS, JavaScript, Mysql
- **Languages**: C, C++, Python, Java
- **Other Skills**: Figma, Cloud
- **Data Analysis**: Pandas, NumPy, Tensorflow, Pytorch
- **Tools**:AWS, Jupyter, Colab, GitHub, Docker

Projects

- **Stock Price Prediction System**
  June 2024, Greater Noida
  Bennett University, India

  - Developed and implemented a machine learning-based stock price prediction system using the Long Short-Term Memory (LSTM) model; leveraged a dataset of **Tata Global Beverages** from NSE to ensure accurate interpretation of the stock market, resulting in enhanced strategic decision-making and risk management capabilities for stakeholders.
  - **Technical Skills:** Machine Learning: Deep learning, SQL, Django, dataset manipulation.
  - Guided communication capabilities for new stock market investors, increasing the reliability of stock market predictions.

- **Medical seat allotment prediction AI**
  Greater Noida, India
  Bennett University, India

  - **Developed predictive analytics**: Created a web-based application to forecast medical college seat allotments based on historical data and user inputs.
  - **Enhanced decision-making**: Provided prospective students with insights on potential seat allocations, aiding in informed choices.
  - **Comprehensive model implementation**: Utilized machine learning algorithms (e.g., Random Forest, Logistic Regression) to analyze data trends and optimize predictions.
  - **Technical skills**: Demonstrated proficiency in Python, data preprocessing with Pandas, model building with Scikit-learn, and web development with Flask and JavaScript.

- **Automated Financial Health Monitoring System**
  Ongoing
  Independent Project

  - **Automated assessment**: Developed a system to evaluate corporate financial health using machine learning and advanced analytics.
  - **Data aggregation**: Integrated financial data from various sources for real-time insights using APIs.
  - **Predictive modeling**: Implemented models (Gradient Boosting, Neural Networks) to forecast financial performance and detect anomalies (Isolation Forest, Autoencoders).
  - **Technical skills**: Utilized Python, Pandas, Dash for the dashboard, and NLG for report generation.

Certifications

- MLOPS: Amazon Sagemaker and Azure ML — Coursera
- Goldman Sachs virtual Experience Program — Forage
- Solutions Architect Knowledge Badge — AWS Training
- Devops on AWS: Specialization — Amazon
- AWS Cloud Technical essentials — Amazon
- AWS CLF-002 Amazon Web Services Cloud Practitioner — Amazon
- AZ-900 Azure Fundamentals — Microsoft

Achievements

- Placed **3rd** in a coding competition organized by **coding club india**
- Placed **3rd in a research based hackathon** hosted by ACM Bennett
- Achieved **2nd place in CODM Intra campus tournament**
- Placed **1st place in a intra campus AMD BGMI tournament**