Varanasi Hemasai Reddy

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Education

VIT Bhopal University, Bhopal, Madhya Pradesh
Integrated M. Tech in Computer Science (Artificial Intelligence and Machine Learning)
CGPA: 7.97/10 | Expected Graduation: May 2026

Narayana Junior College, Tirupathi, Andhra Pradesh
12th Standard | GPA: 9.18/10 | Jul 2021

Sri Chaitanya School, Tirupathi, Andhra Pradesh
10th Standard | GPA: 10/10 | May 2019

Technical Skills

- **Machine Learning**: TensorFlow, Keras, Scikit-learn, LSTM, CNN
- **Web Development**: MERN Stack, Django
- **Programming Languages**: Python, Java, SQL
- **Tools**: Excel, Cognos, Pandas

Work Experience

Data Analytics and Visualization Intern (Virtual) | Accenture (Forage) | July 2024
Completed a job simulation focused on **data analytics and visualization**, gaining hands-on experience in real-world tasks. Analyzed client requirements and defined project objectives. Cleaned and prepared datasets for analysis using tools like Excel and Power BI. Created interactive dashboards and visualizations to present insights effectively. Delivered a final presentation summarizing findings and recommendations.

Projects

MNIST Digit Classification | [GitHub Link] | Jun 2022 – Sep 2022
- Developed a deep learning model to classify handwritten digits from the MNIST dataset using convolutional neural networks (CNNs).
- Implemented and trained the model with TensorFlow and Keras, optimizing the architecture for enhanced performance.
- Achieved 99% accuracy in digit classification by refining the CNN with multiple layers.

Cryptocurrency Price Prediction | [GitHub Link] | Feb 2024 – May 2024
- Designed and deployed a machine learning model using historical data to forecast cryptocurrency price movements.
- Preprocessed and cleaned large time series datasets with Pandas, ensuring efficient model performance.
- Developed advanced LSTM models for processing time series data, achieving results with an impressive 98% improvement in predictive capabilities through methodical tuning of hyperparameters and preprocessing techniques.

Certifications

- **Applied machine learning in Coursera** |[Certificate] **|** Jan 2023
- **Supervised Machine Learning: Regression and Classification** |[Certificate] | June 2024
- **Full Stack Developer MERN**| April 2025

Extracurricular

Artificial Intelligence Club, VIT Bhopal | Jun 2022 – Oct 2023
- Member of the Artificial Intelligence Club. Participated in workshops and seminars related to Artificial Intelligence.
- Participated with around 50 club members in each session and created awareness of artificial intelligence.

Hobbies
- Photography, Video editing, and Cooking.

Additional
- **Languages:** Fluent in English and Telugu.