

Mendu Sri Lalitha Santhosh

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WORK EXPERIENCE

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- AI and Data Analytics Intern** - Edunet Foundation Jan 2025 – Feb 2025
- Expanded a Linear Regression model to predict solar power generation based on meteorological and solar data.
 - Loaded and preprocessed a dataset using Pandas and NumPy, for solar power prediction.
 - Trained a Linear Regression model using scikit-learn and evaluated model performance using Mean Absolute Error (MAE) on both training and test datasets.
 - Utilized Seaborn for effective data visualization in solar power prediction.
- Data Analysis Intern** - Andhra Pradesh State Skill Development Corporation (APSSDC) May 2026 – July 2026
- Cleaned and organized raw datasets using Python (Pandas & NumPy) to fix errors, remove duplicates, and prepare data for analysis.
 - Analyzed complex data to discover key patterns, trends, and relationships using statistical techniques.
 - Created clear charts and graphs using Matplotlib and Seaborn to make findings easy to understand.
 - Summarized analysis results into clear reports to share key insights and conclusions.

PROJECTS

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- Interactive Web Calculator** - Web Development Website
- Developed a fully functional web-based calculator using HTML, CSS, and JavaScript.
 - Implemented core arithmetic operations, user input handling, and display updates.
 - Designed a responsive user interface with CSS for cross-device compatibility.
- Easy Vegetable Salad Recipe** - Web Development Website
- A responsive webpage for presenting a cooking recipe
 - Build a responsive webpage for a vegetable salad recipe with clear layout and media queries
 - Included ingredients, preparation steps, and nutritional details
- Basic Front-End Sign-Up Form** - Web Development Website
- A webpage designed for user registration
 - Improved a basic sign-up webpage with HTML for structuring the content and CSS for styling
 - Implemented user registration forms and improved the visual aesthetic
- Waste Classification System (Deep Learning & Streamlit Deployment)** Website
- Classification Logic: Trained the model to accurately categorize waste into six distinct streams: cardboard, glass, metal, paper, plastic, and trash.
 - Web Deployment: Architected and launched a real-time web interface using Streamlit, allowing for seamless model interaction and image uploads.
 - Technical Stack: Python, TensorFlow, MobileNetV2, Streamlit, NumPy, and Pillow.

SKILLS

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- Programming Languages:** C Language, Java, Python, JavaScript
 - Machine Learning & Data Science:** scikit-learn, Pandas, NumPy, Seaborn, TensorFlow (beginner), PyTorch (beginner)
 - Web Technologies:** HTML, CSS
 - Tools & Platforms:** Git ,GitHub, Microsoft Word, Excel, Power point
 - Operating Systems:** Windows , Linux

EDUCATION

Godavari Institute of Engineering and Technology, Andhra Pradesh, India Sep 2023 – Present

Bachelor of Technology (B.Tech) - Artificial Intelligence and Machine Learning, GPA: 7.92

Relevant Courses: Operating Systems, Data Structures, Algorithms, Artificial Intelligence, Machine Learning, Deep Learning, Networking, Databases

CERTIFICATIONS

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- Google AI Essentials
 - Linux Administration (Red Hat Academy)
 - Cloud Computing (NPTEL)
 - API Student Expert (Postman)
 - GitHub Professional (LinkedIn/GitHub)
 - AI & ML in Engineering (NPTEL)