

Vyshnavi Mutyalapalli

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PROJECTS

Rainfall Prediction using Multilinear Regression Model

June 2023 – July 2023

- a multiple linear regression model to predict rainfall levels
- Used historical meteorological data for model training and evaluation
- Analyzed key weather parameters including temperature, humidity, wind speed, and atmospheric pressure
- Performed data preprocessing, feature selection, and statistical analysis
- Interpreted model outputs to understand relationships between weather variables and rainfall patterns

Weather application interface | *HTML, CSS, Java script*

May 2018 – May 2020

- Developed a weather application user interface using HTML, CSS, and JavaScript
- Designed a responsive and user-friendly layout for displaying weather information
- Integrated placeholder (mock) data to simulate real-time weather updates
- Implemented dynamic UI elements using JavaScript for data rendering
- Focused on clean design, usability, and front-end best practices

Smart India Hackathon (SIH) – Team Member / Developer | *Vite, TypeScript, React, shadcn-ui, Tailwind CSS*

- Participated in Smart India Hackathon, collaborating in a team to solve a real-world problem
- Designed and developed a crop yield prediction system using Machine Learning

Ed-Tech App | *React, MongoDB, Python*

Dec 2025 – Present

- Developing an interactive online learning platform using React.js for the frontend and Python (Django REST Framework) for the backend
- Implementing JWT-based authentication and RESTful APIs for secure user and course management
- Designing and managing databases using PostgreSQL/MongoDB and integrating cloud storage (Amazon S3/Firebase) for video content

EXPERIENCE/INTERNSHIPS

Virtual Internship – Data Analytics (Tableau)

April 2025 – June 2025

SmartBridge

Remote

- Completed a virtual internship focused on data analytics and visualization using **Tableau**
- Created interactive dashboards and visual reports from structured datasets to identify trends and patterns
- Performed data cleaning, preprocessing, and analysis to support data-driven decision-making
- Presented insights through visual storytelling to communicate findings effectively

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Python

Data Analytics and Visualization: Tableau

DevOps / Tools: Git, GitHub, VS Code

EDUCATION

Swarnandhra College of Engineering and Technology

Diploma in Computer Science and Engineering

Seetharampuram

Nov 2021 – May 2024

Vishnu Institute of Technology

Bachelor of Technology in Computer Science

Bhimavaram

Aug 2024 – May 2027