





# Revanth Katari

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## EDUCATION

### GITAM University

October 2021 - Present

*Bachelor of Technology in Computer Science (specialization in AIML) (Pre-Final year)*

*Current CGPA: 8.07/10.0*

**Courses:** Computer Networks, Industrial Engineering and Management, Data Communications, Artificial Intelligence, Operating Systems, Object-Oriented Programming, Data Structures, Discrete Mathematics, Calculus, Linear Algebra, Artificial Neural Networks, Probability and Statistics

## SKILLS

**Languages:** C, Java, Python, HTML/CSS, SQL,  $\text{\LaTeX}$

**Tools:** Git/GitHub, VS Code, Colab, Figma, Adobe suite, DaVinci Resolve, Google Suite, Microsoft Suite, Power BI

**Technical Skills:** UI/UX design, wireframing, prototyping, creating user interfaces, Documentation, Data Collection

## PROJECTS

### Smart Parking Management System with Ultrasonic Sensors

Nov. 2022

- Revolutionizing parking at University with real-time availability updates, enhancing convenience and vehicle security.

### Intelligent Traffic Light Simulation with VAC Integration

Jan. 2023

- Led the development of an intelligent traffic light simulation program, utilizing programming skills and simulation techniques, with a focus on future integration of VAC (Vehicle Actuated Control) for real-time traffic management

### Weather Data Analysis

Nov. 2022

- Conducted comprehensive weather data analysis, utilizing data science techniques and programming skills, to derive valuable insights and trends, contributing to informed decision-making and weather-related research.

### Exploring Large Language Models for Diverse Applications

Jan. 2024

- Experimented with state-of-the-art LLMs like GPT-3, BERT, and PaLM for tasks such as text generation, masking, image captioning, and data analysis.
- Developed pipelines integrating LLMs with computer vision models for multimodal applications like visual question answering and image classification.
- Leveraged LLMs for data augmentation, text summarization, and exploratory data analysis, enhancing efficiency and insights.

## RESEARCH AND STUDY

### AI-Powered Smart Grid Optimization for Sustainable Energy Distribution | *Research And Study*

Aug. 2023

- Leveraging AI for smart grids to optimize energy use, including load prediction, demand response, anomaly detection, and grid control, with global case studies for a sustainable future

### Smart City IoT Prototype | *Research And Study*

Mar. 2023

- Designed and implemented a small-scale Internet of Things (IoT) prototype for smart cities, addressing urban challenges such as parking problems, by leveraging IoT technology and innovative solutions.

## CO-CURRICULAR EXPERIENCE

### Meta Developers Communities | *Vice President*

June 2023 – Present

- Balanced Vice President responsibilities with academic coursework and other commitments.
- Proficient in technical tools and software used for event planning and management.
- Fostered a strong technical community, promoting collaboration and networking.
- Facilitated hands-on workshops and projects for skill enhancement.

### Ethno | *Web Developer*

Feb. 2023 – April 2023

Designed Stunning Wireframes and various Websites which can be accessed from the top Right link with the name Design Portfolio