

KATARAPU THARUN

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CAREER OBJECTIVE

As a passionate and dedicated Python Full Stack Developer, I aim to build a successful career in software development by designing and implementing scalable, efficient, and user-friendly web applications. With strong skills in Python, Django, HTML, CSS, JavaScript, and database management systems, I strive to bridge the gap between front-end and back-end development, ensuring seamless integration and performance.

EDUCATION

Masters of Computer Applications (MCA)
University Arts and Science College, Warangal

2023 - 2025
Percentage: 80%

TECHNICAL SKILLS

- **Programming languages:** Python, SQL
- **Web Technologies:** HTML, CSS, Bootstrap, JavaScript(basics)
- **Development Tools:** Git, GitHub, VS code
- **Database:** MySQL
- **Common Skills:** MS office, MS word, Excel
- **Other skills:** Problem-Solving, Logical Thinking, Task Prioritization
- **Frameworks:** Django (Web development) basics
- **Data Engineering Tools:** Pandas, NumPy
- **Data Visualization:** Power BI, Matplotlib, Seaborn

PROJECTS

Smart Canteen Menu System – Django Full Stack

Developed a fully functional Smart Canteen Menu & Ordering System using Django, aimed at digitalizing the canteen experience with an intuitive UI and efficient backend flow. The system enables users to browse food items, add them to the cart, check availability, and place orders seamlessly, while administrators manage menu items, availability, and orders through a secure Django admin panel.

- **Technologies Used:** Python, Django, Django ORM, SQLite, HTML5, CSS3, JavaScript, Bootstrap, Git, GitHub

Smart agriculture system: Combination IOT and AI to monitor soil conditions and optimize farming practices in real-time

To develop a smart agriculture system that monitors real time environmental and soil conditions using IoT sensors and applies AI to enhance decision-making, optimize resource use, and improve crop productivity

- **Technologies Used:** Internet of things, IoT Sensors, Artificial Intelligence, cloud computing. To obtain a challenging position in a reputable organization where I can apply my technical, Analytical, and leadership skills, contribute to innovative projects, and continuously grow as an IT professional.
- Achieved 30% faster data retrieval by optimizing data transmission and sensor response time.
- Improved decision-making accuracy by 25% using predictive analytics for irrigation scheduling.
- Reduced manual monitoring efforts by 60%, increasing farming efficiency and productivity.

Agri Mart – Online Organic Grocery Store

- Developed a responsive e-commerce website for organic fruits and vegetables using HTML, CSS, and Bootstrap. implemented product listings, carousel banners, search functionality, and customer testimonials to enhance user experience. Gained hands-on experience in responsive web design, UI/UX development, and frontend best practices, while effectively utilizing Bootstrap components for a modern and interactive interface.
- **Technologies Used:** HTML5, CSS3, Bootstrap 5

CERTIFICATION

- Certificate of Participation – CIT Program Issued by [I-CAT] may 2025
- Html & Python for beginners-Simplilearn June 2025

SOFT SKILLS

Communication | Problem-solving | Interpersonal Communication | Adaptability | Flexibility | Active listening | Public Speaking | Time management | Leadership | Patience.