Chengalva Yamini

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📞 7013530966

○ Yamini

🔗 Personal Portfolio

Profile

Motivated and detail-oriented graduate aspiring to grow as a **Software Engineer**. Skilled in **Python, Web Development, and Digital Twin simulations**, with additional exposure to **basic Machine Learning concepts**. Passionate about building **real-time applications** and creating seamless user experiences. Eager to join an innovative team where I can apply my skills, continue learning, and grow professionally.

Education

JB institute of enginerring and technology — Hyderabad
BTECH
- Computer Science and Engineering | GPA: 8.3

Sri chaitanya junior college — Hyderabad
INTERMEDIATE
- MPC | GPA: 8.76

Skills

- Programming Languages: Python (Intermediate), JavaScript (Basic)
- Web Development: HTML, CSS, JavaScript
- Machine Learning & Data Science: Dataset collection, preprocessing, model training & testing, evaluation. Familiar with Pandas, NumPy, Matplotlib, Scikit-learn.
- Digital Twin & Simulation: Multi-twin setup, real-time monitoring simulations
- Software Tools : VSCode, Jupyter Notebook, GitHub.

Projects

Online code editor 🔗
Node.js, Express, WebSockets

- Built a real-time collaborative code editor using Node.js, and WebSockets, enabling multiple users to write and edit code simultaneously.
- Implemented live code synchronization, ensuring instant updates across all connected users with minimal latency.
- Developed a scalable backend to manage user sessions, and real-time communication efficiently.

Digital Twin-based Health Prediction & Visualization
Python, Scikit-learn, Digital Twin Simulation, Explainable AI (XAI)
- Designed a multi-twin digital simulation for health conditions, enabling visualization of key indicators.
- Applied basic machine learning workflows: dataset collection, preprocessing, training, and testing.
- Integrated Explainable AI (XAI) techniques to make results interpretable for medical professionals.
- Demonstrated real-time monitoring and analysis in a multi-twin setup, simulating complex healthcare scenarios.

Certificates

- Python Bootcamp - Udemy Basics to advanced Python, NumPy, and Pandas.
- Full-Stack Development - Udemy HTML, CSS, JavaScript, React.js, Node.js.
- CSS Bootcamp - Completed CSS Bootcamp, mastering CSS for responsive web design and modern UI development

Professional Experience

Advi Group of Companies – digital twin Intern — 12//05/2025 – 08/2025 ramanthapur, hyderabad
- Completed 2 months of remote training followed by on-site project work in Digital Twin technologies, IoT systems, and cloud-based solutions.
- Contributed to building simulation dashboards, integrating sensor data, and developing real-time monitoring use cases.
- Assisted in creating scalable solutions by combining Digital Twin simulations with IoT and cloud integration.
- Gained hands-on experience working in both remote and on-site teams, improving technical and professional skills.