YATASUJANA

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CAREER OBJECTIVE

Aspiring Python Full Stack Developer with a keen interest in building robust and scalable web applications. Passionate about learning cutting-edge technologies, solving real-world problems, and contributing to innovative projects while continuously enhancing technical expertise.

EDUCATION

Master Of Computer Applications, (MCA)	**2023**- **2025**
University Arts and Science College	**CGPA:7.5/10**

TECHNICAL SKILLS

- **Programming languages:**   Python
- **Web development:**   HTML, CSS, Java Script, Bootstrap
- **Tools:**   VS code
- **Databases:**   SQL
- **Common skills:**   MS office, Word, Excel, Power point

ACADEMIC PROJECTS

PROJECT1:IOT Enabled-smart traffic management system and urban mobility optimization:

- Designed and implemented a real-time IoT-based traffic monitoring and optimization system using sensors, CCTV/ANPR cameras, and environmental monitors.
- Achieved 25% reduction in peak-hour congestion and 15–20% decrease in average travel time through adaptive traffic signal control.
- Developed ML-based predictive analytics models with 90% accuracy for 30-min advance traffic forecasting.
- Enabled priority routing for emergency vehicles, reducing response times by 20–25%.
- Reduced CO_2 emissions by 12% and fuel consumption by 15% via optimized traffic flow.
- Deployed edge computing for <500ms latency and 99.9% uptime, ensuring real-time decision-making.
- Built mobile/web dashboards for live traffic visualization, incident alerts, and route suggestions.
- Utilized Python, MQTT, LoRa WAN, 5G, AWS/GCP, NVIDIA Jetson, and data visualization tools for system development.
- Integrated KPI tracking, achieving >95% detection accuracy and improved idle time by 30% in simulations

PROJECT2:BEATY SALONE USING HTML AND CSS:

- Developed a responsive website for a beauty salon using HTML and CSS to enhance online presence.
- Designed user-friendly layouts and visually appealing interfaces to improve user engagement.
- Implemented modern styling techniques, including flexbox and grid, for a polished and organized look.
- Ensured cross-browser compatibility and mobile responsiveness for seamless user experience.
- Focused on accessibility and navigation, making the site intuitive for all users.

SOFT SKILLS

- Communication
- Hard worker
- Time management
- Consistency
- Team leading
- Quick learner