ANEELA BANDI

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CAREER OBJECTIVE

Aspiring Associate System Engineer and final-year B.Tech Computer Science student (2025 batch) with strong programming skills in Java, Python, and C++, a solid understanding of SDLC, and a problem-solving mindset. Eager to contribute to IBM's innovative projects by applying my technical expertise, analytical thinking, and collaborative abilities. Looking forward to growing in a dynamic environment where I can learn, adapt, and deliver impactful solutions while aligning with IBM's culture of excellence and transformation.

EDUCATION

Master of computer application	**2023 -2025**
University arts and science college	**CGPA:7.3/10**

TECHNICAL SKILLS

- **Programming languages:** Python
- **Web development:** HTML, CSS, Java script, React, Django, Bootstrap,
- **Tools:** VS Code
- **Databases:** SQL
- **Common skills:** MS office, Excel, power point, Word.

PROJECTS

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

SOFT SKILLS

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