**ANEELA BANDI**

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**CAREER OBJECTIVE**

To obtain a Software Development role where I can apply my problem-solving abilities, analytical thinking, and programming expertise in Java and SQL to develop efficient and scalable software solutions. Eager to work in a collaborative team that fosters innovation and supports growth in emerging cloud technologies.

**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, Mango, 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 CO₂ 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