**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:7.2/10

**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**.

* Developed an IoT-enabled smart traffic management system using Arduino/Raspberry Pi, IR & ultrasonic sensors, ESP8266, and cameras.
* Implemented **real-time traffic monitoring** and **dynamic traffic signal control** to reduce congestion and optimize urban mobility.
* Integrated **Python, C++, Node-RED, Blynk/ThingsBoard, Firebase, and AWS IoT** for data collection, analysis, and system automation.
* Designed features for **emergency vehicle prioritization**, reducing average vehicle waiting time by up to **30%**.
* Built a **mobile app interface** providing intelligent route suggestions and live traffic updates.
* Promoted **green transportation** and faster **emergency response** through automated traffic flow management.
* Designed the solution to be **scalable for smart cities**, ensuring adaptability and future expansion.
* **Dataset**: Firebase (real-time database and cloud services)
* **Technical Skills:**
* **Programming Languages:** Python, C++, AI
* **Libraries & Frameworks:**
* **Tools:**
* **Machine Learning Techniques:**

**SOFT SKILLS**

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

**CIRTIFICATES**

* Certificate
* Certificate