Koochana Shreyas

Benguluru, Karnataka, India   7411606545   kshreyas614@gmail.com
linkedin.com/in/koochana-shreyas   github.com/shreyasss444

Profile Summary

Motivated B.Tech Data Science student with a strong foundation in Python, SQL, and Power BI, skilled in data analytics, visualization, and machine learning to extract actionable insights, and committed to delivering impactful solutions through problem-solving and continuous learning.

SKILLS

- **Programming & Tools:** Python, SQL, Power BI, MS Excel, Git/GitHub, AWS
- **Libraries & Frameworks**: Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
- **Data Analytics & Visualization:** Exploratory Data Analysis (EDA), Business Intelligence Dashboards, Data Cleaning, Statistical Analysis, Report Automation
- **Soft Skills:** Design Thinking, Communication, Problem Solving, Self-Learning, Presentation, Critical Thinking

PROJECTS

1. Blinkit Grocery Retail Analysis Dashboard

- Built an **interactive Power BI dashboard** to **analyze Blinkit grocery data** and derive **performance insights** across **sales**, **product tags**, **fat content**, and **outlet types**.
- **Visualized trends** in **establishment year**, **customer ratings**, and **product visibility** to identify areas for **growth** and **optimization**.
- Utilized **DAX**, **slicers**, and **filters** for **dynamic**, **user-driven exploration**, enhancing business-oriented **data storytelling**.

2. Check My Chair – IoT-based Smart Chair Occupancy Detection System

- Engineered a **smart-chair IoT solution** with **ESP32**, **FSR sensors**, and **NEO-6M GPS**, accurately detecting **occupancy** and streaming geotagged status in **real time**.
- Transmitted **real-time data packets (chair ID, occupancy status, GPS coordinates)** to **Firebase/Ubidots** over **Wi-Fi**, enabling **remote monitoring** and **analytics dashboards**.
- Optimized **sensing** and **serial workflows** for **sub-second latency**, ensuring **reliable**, **scalable deployment** across **public** and **institutional seating areas**.

3. Clickstream Analysis for E-Commerce Website

- Analyzed 100K+ rows of **clickstream data** in **Python** to gain **session-based insights** into **user behavior.**
- Engineered 50+ **behavioral features** and applied **K-Means** and **DBSCAN clustering** for effective user **segmentation**.
- Increased campaign **click-through rate (CTR)** by 15% through actionable **behavioral targeting**.

CERTIFICATIONS

- Data Analytics Job Simulation - Deloitte
- Getting Started with Data – IBM
- Power BI for Beginners – Simplilearn
- Big Data - Infosys
- Python Essentials – 1 & 2 – Cisco Networking Academy
- Introduction To Data Mining & Introduction to Data Warehousing Testing - Infosys

EDUCATION

Pursuing a Bachelor of Technology in Computer Science (Specialization: Data Science) at Garden City University, Bangalore (2022–2026).

CGPA: 8.21/10