RUKIYA KHATHUN

📞 +91-9398586926 | 📧 rrukku107@gmail.com

📍 Bandlaguda Jagir, Hyderabad –500091|

🔗 [LinkedIn] 💻 : https://www.linkedin.com/in/rukiya-khatun-patan-949204278
Github:https://github.com/Rukiya0411

CAREER OBJECTIVE

Detail-oriented and goal-driven **B.Tech. in Electronics and Communication Engineering (2021–2025)** with hands-on experience in **Python, SQL, Excel**, and backend development. Adept at building real-time monitoring systems, automation tools, and CLI applications. Strong knowledge of **databases (MySQL, SQLite, MongoDB)**, and currently upskilling in **Power BI and Tableau**. Certified in **IBM SQL** with internship experience across **telecom, embedded systems, and defense analytics**. Effective communicator and fast learner seeking entry-level or internship opportunities in software or data engineering domains.

EDUCATION

B.Tech – Electronics and Communication Engineering   2021 – 2025 | 79%
A1 Global Institute of Engineering & Technology (JNTUK)

Intermediate (Class XII)   2019 – 2021 | 91%
Nandyala Junior College, Andhra Pradesh

SSC (Class X)   2018 – 2019 | CGPA: 10.0
Vimala English Medium School

PROJECTS & ACHIEVEMENTS

Real-Time Monitoring & Alerting System for Mine Worker Safety
- Designed and developed a Python-based system to monitor environmental conditions (gas, temperature, smoke).
- Integrated sensors for real-time input; triggered alerts for anomalies; stored data in SQLite.

CLI-Based Event Ticket Booking System
- Developed a CLI app using Python and SQLite for managing ticket reservations.
- Implemented modules for booking, cancellation, and event lookup with input validation.

Automated Screenshot Capture Tool (Python)
- Built a CLI tool using PyAutoGUI to take full-screen screenshots.
- Automated timestamped file saving and folder structuring for efficient organization.

INTERNSHIPS & TRAINING

Bharat Dynamics Limited (BDL) – Hyderabad (2024)
- Analyzed delay unit performance in missile systems and supported signal synchronization tasks.
- Worked with embedded circuit logic for timing control in real-time applications.

BSNL – Hyderabad (2024)
- Gained exposure to mobile communications, broadband architecture, and IoT system design.
- Participated in projects involving sensor integration and real-time data flow analysis.

Skill Hack – Bengaluru (2023)
- Hands-on experience with microcontrollers and embedded systems.
- Developed basic automation workflows combining hardware and Python scripts.

TECHNICAL SKILLS

- **Programming Languages:** Python (Intermediate), SQL (Advanced), JavaScript (Basic)
- **Data & Analytics:** Excel (Intermediate), Power BI (Learning), Tableau (Learning)
- **Databases:** MySQL, SQLite, MongoDB (Basic)
- **Web Development:** HTML5, CSS3, React.js (Learning), Node.js (Basic), Express.js (Learning)
- **Tools & Platforms:** Git, GitHub, VS Code, Command Line Interface (CLI)
- **Concepts:** Data Cleaning, Joins, Subqueries, Filters, CRUD Operations, REST APIs

CERTIFICATIONS & ACHIEVEMENTS

- IBM SQL Certification – Cognitive Class
- BSNL Internship Certificate – Mobile Communications
- Skill Hack Certificate – Embedded Systems Training
- Prathibha Award – For scoring 10 CGPA in SSC
- 2nd Place – State-Level PowerPoint Presentation Competition