Khalid Rabbani

+91 7676446830 | khalidrabbani06@gmail.com | linkedin.com/in/khalid-rabbani | github.com/rabbanikhalid

EDUCATION

BMS College of Engineering — Bangalore, India
B.E in Computer Science & Engineering — *2023 – 2027*

Noble International School — Doha, Qatar
Class 12 (CBSE) — *2023*

ABOUT ME

3rd-year Computer Science student with interests in Data Analytics, Data Science, and Front-End Development. Skilled in Python, SQL, HTML, and CSS, and currently learning JavaScript, Power BI, and data visualization. I enjoy turning data into insights and building simple, user-focused experiences.

PROJECTS

Weather-App-Atmos
Technologies: JavaScript, HTML, CSS, OpenWeather API

- Built a responsive weather application that fetches real-time weather data and multi-city forecasts using the OpenWeather REST API.
- Implemented dynamic UI updates for temperature, humidity, wind speed, and weather conditions with a clean, minimal interface.
- Optimized API calls and front-end rendering for smoother performance and mobile-friendly usage.

Blink2Speech
Technologies: Python, OpenCV, MediaPipe, Tkinter, Text-to-Speech (pyttsx3)

- Built a real-time assistive tool that detects eye blinks using MediaPipe's ML-powered facial landmark tracking and translates them into Morse code for users with paralysis or motor impairments.
- Implemented calibrated blink classification (short vs long), Morse decoding with letter/word timing, and emergency quick-command support.
- Developed a full Tkinter GUI with live camera feed, blink metrics, real-time decoding preview, and text-to-speech output.

SKILLS

Technical Skills: Python (Pandas, NumPy, Matplotlib), SQL, Basic JavaScript, HTML, CSS, REST APIs, MySQL
Data Skills: Data Cleaning, Exploratory Data Analysis, Visualization; Learning Power BI
Tools: Git, GitHub, VS Code
Soft Skills: Communication, Teamwork, Leadership, Problem-Solving, Adaptability

LEADERSHIP & ACTIVITIES

Senior Coordinator, CodeIO Club (BMSCE) — Organizing technical events, mentoring juniors, and coordinating club activities.