Khushi Sirohi

3rd year Student (B.Tech CSE)

Contact

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Summary

I am a passionate Computer Science and Engineering student at Guru Gobind Singh Indraprastha University (BTech, 2027). With a strong interest in web development, ML and UI/UX design, I strive to combine creativity and technical skills in projects. I am Skilled in Python, SQL, HTML, CSS, and Reactjs. I aim to build innovative solutions while continuously learning and growing in the tech field.

Experience & Education

- **Guru Gobind Singh Indraprastha University (2023 -2027)**
  Bachelors in Technology (Computer Science and Engineering)
  CGPA- 7.0
- **DRDO, Solid State Physics Laboratory (SSPL) (June 2025 – August 2025)**
  Worked as Summer Intern on the project "Machine Learning-Based Drone Detection Using Particle Velocity Sensor (PVS)" where I designed and implemented a machine learning pipeline for acoustic drone detection involving signal preprocessing, feature extraction, and classification using **LightGBM, Random Forest, and XGBoost**. Assisted in sensor calibration within an anechoic chamber and analyzed velocity–time signals using MATLAB and Python. Developed a full-stack interface using React.js and FastAPI for real-time visualization of drone detection results.
- **HACKSTER 2025 (20th September 2025)**
  Stepped in as the Organizer of Hackathon at HMR Institute of Technology and Management, I led the planning and execution of a mid-scale hackathon designed to empower students in technology and innovation. Through effective leadership and collaboration, I helped create a platform that encouraged technical creativity, problem-solving, and awareness of real-world tech applications among students.

Technical Skills

Category	Skills & Tools
Programming Languages	Python, C, SQL, HTML, CSS, JavaScript
Frameworks & Libraries	React.js, Vite, TailwindCSS
UI/UX Design	Figma, Canva
Platforms	Visual Studio
Database Management	MySQL
Soft Skills	Communication, Teamwork, Time Management, Creative Problem-Solving