

Rudraksh

Student

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OBJECTIVE

Enthusiastic and motivated B. Tech Computer Science student with a strong foundation in programming, data structures, and problem-solving. Passionate about AI, software development, and smart city solutions. Seeking opportunities to apply technical skills in real-world projects, internships, or research. Eager to learn, collaborate, and contribute to innovative solutions in technology-driven environments.

PROFESSIONAL EXPERIENCE

Hackathons & Projects

◆ Traffic Optimizer App (Ongoing)

- Developing a smart traffic management system to reduce congestion and improve air quality.
- Implementing AI-driven route optimization and emergency vehicle prioritization.
- Integrating real-time data from OpenStreetMap, TensorFlow, Firebase, and cloud platforms.

◆ Emergency Response System (Hackathon Project)

- Designed an AI-powered system to **automate emergency response and optimize ambulance dispatch**.
- Developed an algorithm prioritizing **ambulance deployment based on proximity rather than severity** for faster response times.
- Implemented **real-time accident detection and automatic alerts** for authorities and emergency services.
- Technologies used: **Python, AI/ML, Geospatial Mapping (QGIS/ArcGIS), Firebase, Google Cloud**.

EDUCATION

IILM University, Gurugram, Haryana

Bachelor of technology in computer science, June 2028

ADDITIONAL SKILLS

- **Programming Languages:** C, Python, Java, JavaScript
- **Web Development:** HTML, CSS
- **Data Structures & Algorithms (DSA):** C, Java
- **AI & Machine Learning:** Basic AI/ML concepts, TensorFlow