

Suraksha Mummigatti

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OBJECTIVE

To leverage my skills in C, C++, and JavaScript to develop dynamic applications and contribute to sustainable development and innovative solutions. Seeking an opportunity to grow and make a positive impact in a forward-thinking organization.

EDUCATION

- ❖ **KLE Technological University, Hubballi.** (2025)
Bachelor of Engineering in Computer Science; CGPA: 7.81(Till 6th Semester).
- ❖ **KLE Prerana Residential PU Science College, Hubballi.** (2021)
Government of Karnataka Department of Pre-University Education; (Grade: 91.50).
- ❖ **KLE M R Sakhare English Medium School, Hubballi.** (2019)
Karnataka Secondary Education Examination Board; (Grade: 87.84).

PROJECTS

Eco-Tracker: Sustainable Consumption Tracking System:

- Developed a **full-stack application** using **Spring Boot and MySQL** to track and analyze individual carbon footprints.
- Implemented **RESTful APIs** and **responsive design** with **HTML, CSS, and JavaScript** for real-time consumption monitoring.
- Portfolio link: <https://sites.google.com/view/ecotrackerportfolio>

Battle of Endurance

- Designed an **OOP-based survival simulation** in C++ to model adaptive behaviors across varied combat scenarios.
- Utilized **polymorphism, inheritance, and encapsulation** to achieve adaptive behavior and dynamic outcomes in the simulation.
- Implemented **dynamic memory allocation** and **random number generation** for varied simulation scenarios.
- Project link: <https://github.com/suraksha987/OOPS-project>

Question and Answer system using Retrieval Augmented Generation

- Built a question-answering tool leveraging **Large Language Models (LLM)** and **RAG** for accurate responses in the medical domain.
- Integrated data retrieval from **PDF, PPT, DOC** formats, ensuring context-aware, medically relevant answers.
- Project link: <https://github.com/suraksha987/Question-and-Answer-system-using-Retrieval-Augmented-Generation->

SKILLS

Programming Languages: C, C++.

Subject: Data Structures and Algorithms, Operating Systems, Object-Oriented Programming.

Database Management: MySQL (basic SQL queries).

Web Development: HTML, CSS, JavaScript.

Soft Skills: Effective communication, adaptability, problem-solving, multi-tasking, willingness to learn.

CERTIFICATION

The Web Developer Bootcamp 2024 Certificate.

AWS Academy Cloud Foundations Certificate.

AWesome Day Online Conference Certificate.

Cisco Networking Basics Certificate.