CHIRAG H K S

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Bengaluru, Karnataka - 560060, India

OBJECTIVE

Final year Electronics and instrumentation Engineering student with skills in Python, c,c++(basics).Passionate about full-stack web development with strong problem-solving and software engineering abilities.

EDUCATION

- **JSS Academy of Technical Education** *December 2022- Present*
  B.E. in Electronis and instrumentation and Engineering Bengaluru, India
  ○ CGPA: 7.7

- **Sri Chaitanya PU College** *2022*
  Pre-University Education Bengaluru, India
  ○ Grade: 84.50%

- **Mount Carmel School** *2020*
  Secondary Education Bengaluru, India
  ○ Grade:90.04%

SKILLS

- **Programming Languages:** C, C++, Python (Basics)
- **Tools / Platforms:** Git, GitHub, VS Code, MATLAB

PROJECTS

- **Project A: [SMART ENERGY METER]**
  Tech Stack: [Embedded C,C++, Node.js, Express.js, MySQL] [○]
  ○ **Developed a full-stack web application to help users to control the switchs,MCB**
  ○ **Key features include automatic meter reading, power theft detection, and data analytics for efficient energy management.**

- **Project B: [WASTE SEGREGAGTION SYSTEMS USING IOT]**
  Tech Stack: [Embedded C,python] [○]
  ○ **Automatic Segregation: Uses sensors (like moisture, metal, and weight sensors) to detect and sort waste into biodegradable, non-biodegradable, and recyclable categories.**
  ○ **IoT Connectivity: Sends real-time data to a cloud platform for monitoring bin status and optimizing collection schedules.**

- **Project C: [SMART BLIND STICK]**
  Tech Stack: [Embedded C,python] [○]
  ○ **Obstacle Detection Navigation: Equipped with ultrasonic sensors to detect obstacles in the path and alert the user through vibrations or audio signals.**
  ○ **IoT GPS Integration: Includes GPS and IoT connectivity to help track the user's location and enable emergency alerts to caregivers if needed.**

CERTIFICATIONS

- **programming in python**
- **internet of things from NPTL**
- **data structurs in C++ form NPTL**

ACHIEVEMENTS

- Solved 120+ problems across all coding platforms. Profiles - GeeksForGeeks

ACTIVITIES

- Represented college in Inter-College Cricket Tournament under VTU.

- Achieved State-level Carrom Champion title once and District-level Carrom Championship twice during school years.

- Played Kabaddi in Inter-VTU College Competition.