

Shruthi V

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OBJECTIVE

I am a driven software engineer with expertise in Python, SQL, and web development using HTML, CSS, and JavaScript. Proficient in cybersecurity, operating systems, and DBMS, with a keen interest in innovative projects. Skilled in data analysis and version control, I facilitate effective collaboration with cross-functional teams. Seeking to utilize my technical skills and passion for creative problem-solving in software development and data-driven projects .

EDUCATION

Presidency University, Bengaluru B.Tech in Computer Science and Engineering	2021-2025 CGPA-7.6
Vidya Mandir indp. PU College, Bengaluru Pre-University Course	2019-2021 88%
St.Philomena's English School, Bengaluru Primary and Secondary Education	2018-2019 94.56%

SKILLS

- Programming Languages: Python, SQL
- Core Subjects: Cybersecurity, Operating Systems, DBMS
- Web Development: HTML, CSS, Javascript,PHP
- Version Control: Git

PROJECTS

Automated billing trolley using Arduino and RFID technology :

Developed an Arduino and RFID technology-based Automated Billing Trolley to streamline the checkout process. The trolley is equipped with an RFID reader that scans RFID tags on products and communicates with an Arduino microcontroller. Each time an item is placed in the trolley, its information and price are automatically refreshed. This setup continuously calculates the total bill, eliminating the necessity for manual scanning during checkout. Collaborated within a multidisciplinary team for cohesive project development and implementation.

IoT based Earthquake and Hazardous Gases Detection in Coal Mines using Raspberry Pi:

Designed an IoT-enabled system for detecting earthquakes and hazardous gases in coal mines, utilizing Raspberry Pi, enhances safety by monitoring seismic activity and identifying harmful gas concentrations. This system employs sensors to measure vibrations and gas levels, transmitting real-time information to a central server over the Internet. Led a multidisciplinary team for cohesive project development and implementation.

INTERNSHIP

Bharat Electronics Limited | Project trainee | July 2024 – August 2024

- Created a countdown timer with Start, Stop, Hold, and Reset buttons.
- Sends the paused time to a client using UDP communication.
- Uses the UDP protocol for quick, real-time communication.
- Built with Qt's event-driven programming using QTimer and QUdpSocket.