**File Name: lab1-1.html**

<html>

    <head>

        <title>Profile Page</title>

    </head>

    <body>

        <div >

            <h1>Chethan Polanki</h1>

            <p>Email: chethanpolanki@gmail.com</p>

            <div class="photo" >

                <img src="photo.jpg" alt="Chethan" width="100" >

            </div>

            <br>

            <h2>Educational Qualification</h2>

            <table border="1">

                <tr>

                    <th>Degree</th>

                    <th>Institution</th>

                    <th>Year of Passing</th>

                </tr>

                <tr>

                    <td>Bachelor of Science in Computer Science</td>

                    <td>VIT University</td>

                    <td>2020-2024</td>

                </tr>

                <tr>

                    <td>Intermediate</td>

                    <td>Sri Chaitanya College</td>

                    <td>2020</td>

                </tr>

                <tr>

                    <td>10th class</td>

                    <td>Sri Chaitanya School</td>

                    <td>2018</td>

                </tr>

            </table>

            <br>

            <div class="link">

                <a href="lab1-2.html">Go to Technical Expertise and Projects</a>

            </div>

        </div>

    </body>

</html>

**File Name: lab1-2.html**

<html>

    <head>

        <title>Technical Expertise and Projects</title>

    </head>

    <body>

        <div class="container">

            <h1>Technical Expertise and Projects</h1>

            <h2>Technical Skills</h2>

            <ul>

                <li>Python (NumPy, Pandas, Matplotlib, SciPy, PyTorch, OpenCV, BeautifulSoup, NLTK, Requests, Scikit-Learn, Pygame)</li>

                <li>C Language (Embedded C, Arduino Programming)</li>

                <li>Microcontrollers (Arduino, Raspberry Pi, ESP32, ESP8266 (Node MCU), Sensors and Actuators)</li>

                <li>Cloud (AWS, GCP, worked on Linux OS (Debian))</li>

                <li>Web Development (HTML5, CSS, Node.JS, React, Typescript)</li>

                <li>Software Development (Git, DBMS)</li>

                <li>Text Editors (VS Code, PyCharm, Online Codespaces)</li>

                <li>Postman API, Burp Suite, Nessus Essentials, ZAP</li>

            </ul>

            <h2>Projects Worked On</h2>

            <ul>

                <li>

                    <strong>Wearable Bot for Alzheimer’s Patients</strong>

                    <ul>

                        <li>The project underwent the patenting process with VIT University.</li>

                        <li>Led a team of three students, development carried out using NodeMCU and the Arduino IDE.</li>

                        <li>Integrated functionalities including fall detection, vital monitoring, medication reminders, and real-time notifications.</li>

                        <li>System included GPS tracking and geo-fencing for enhanced security and safety.</li>

                    </ul>

                </li>

                <li>

                    <strong>Accident Management with Vital Monitoring</strong>

                    <ul>

                        <li>Project aimed to reduce error rate in accident detection using multiple parameters.</li>

                        <li>Sensors used: MAX30100 for monitoring heart rate and MQ3 sensor for detecting alcohol consumption.</li>

                        <li>Additional emphasis on assessing the driver’s condition within the vehicle.</li>

                    </ul>

                </li>

                <li>

                    <strong>Securing IOT Data at Node</strong>

                    <ul>

                        <li>Published in Peer-Reviewed Journal.</li>

                        <li>Led a team of two, development carried out using Arduino Uno and the Arduino IDE.</li>

                        <li>Used WBAES for securing the data.</li>

                    </ul>

                </li>

            </ul>

            <h2>LinkedIn</h2>

            <p>

                <a href="https://www.linkedin.com/in/chethan-polanki/" >LinkedIn Profile</a>

            </p>

            <h2>Hobbies/Passions</h2>

            <ul>

                <li>Entrepreneurship</li>

                <li>Photography</li>

                <li>Driving fast Vehicles</li>

                <li>Building intresting things for the world</li>

                <li>Coding for fun</li>

            </ul>

            <h2>Where do you see yourself in 5 years from now?</h2>

            <p>

                In 5 years, I like to see myself as famous Entrepreneur in AI Industry.

            </p>

        </div>

    </body>

</html>





