

**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" >
        
      </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>
          </ul>
        </li>
      </ul>
    </div>
  </body>
</html>
```

```
        <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>
```

## Chethan Polanki

Email: chethanpolanki@gmail.com



### Educational Qualification

Degree	Institution	Year of Passing
Bachelor of Science in Computer Science	VIT University	2020-2024
Intermediate	Sri Chaitanya College	2020
10th class	Sri Chaitanya School	2018

[Go to Technical Expertise and Projects](#)

## Technical Expertise and Projects

### Technical Skills

- Python (NumPy, Pandas, Matplotlib, SciPy, PyTorch, OpenCV, BeautifulSoup, NLTK, Requests, Scikit-Learn, Pygame)
- C Language (Embedded C, Arduino Programming)
- Microcontrollers (Arduino, Raspberry Pi, ESP32, ESP8266 (Node MCU), Sensors and Actuators)
- Cloud (AWS, GCP, worked on Linux OS (Debian))
- Web Development (HTML5, CSS, Node.JS, React, Typescript)
- Software Development (Git, DBMS)
- Text Editors (VS Code, PyCharm, Online Codespaces)
- Postman API, Burp Suite, Nessus Essentials, ZAP

### Projects Worked On

- **Wearable Bot for Alzheimer's Patients**
  - The project underwent the patenting process with VIT University.
  - Led a team of three students, development carried out using NodeMCU and the Arduino IDE.
  - Integrated functionalities including fall detection, vital monitoring, medication reminders, and real-time notifications.
  - System included GPS tracking and geo-fencing for enhanced security and safety.
- **Accident Management with Vital Monitoring**
  - Project aimed to reduce error rate in accident detection using multiple parameters.
  - Sensors used: MAX30100 for monitoring heart rate and MQ3 sensor for detecting alcohol consumption.
  - Additional emphasis on assessing the driver's condition within the vehicle.
- **Securing IOT Data at Node**
  - Published in Peer-Reviewed Journal.
  - Led a team of two, development carried out using Arduino Uno and the Arduino IDE.
  - Used WBAES for securing the data.

### LinkedIn


[LinkedIn Profile](#)

### Hobbies/Passions


- Entrepreneurship
- Photography
- Driving fast Vehicles
- Building interesting things for the world
- Coding for fun

### Where do you see yourself in 5 years from now?


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




[Home](#) [My Network](#) [Jobs](#) [Messaging](#) [Notifications](#) [Me](#) [For Business](#) [Try Sales Navigator](#)





**CHETHAN POLANKI**  
STUDENT AT VIT- VELLORE

**Chethan Polanki** 


Business Development@Ascella InfoSec |  
Cybersecurity Services & Solutions | WEB2.0 -  
WEB3.0 || 4th Year B.Tech CSE with  
specialization in IoT, Student  
Vellore, Tamil Nadu, India · [Contact info](#)  
195 connections  
[Open to](#) [Add profile section](#) [More](#)



 **Vellore Institute of Technology**





**Profile language**   
English


**Public profile & URL**   
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Founder @ Ascella Group |  
Infosec - Software Labs -...  
[Message](#)

 **Messaging**   

**Suggested for you**  
 Private to you

Index.html

```
<head>
  <title>Formula 1</title>
</head>
<body>
  <h1>Formula 1</h1>
  <div>
    <h2>Contents</h2>
    <ul>
      <li><a href="#introduction">Introduction</a></li>
      <li><a href="#history">History</a></li>
      <li><a href="#seasons">Seasons</a></li>
      <li><a href="#notable-drivers">Notable Drivers</a></li>
      <li><a href="#Circuits">Circuits</a></li>
    </ul>
  </div>

  <h2 id="introduction">Introduction</h2>
  <p>Formula One, commonly known as Formula 1 or F1, is the highest class of international racing for open-wheel single-seater formula racing cars sanctioned by the Fédération Internationale de l'Automobile (FIA). The FIA Formula One World Championship has been one of the world's premier forms of racing since its inaugural running in 1950. The word formula in the name refers to the set of rules all participants' cars must follow. A Formula One season consists of a series of races, known as Grands Prix. Grands Prix take place in multiple countries and continents on either purpose-built circuits or closed public roads.</p>

  <h2 id="history">History</h2>
  

  <p>Formula One originated from the European Motor Racing Championships of the 1920s and 1930s. The formula is a set of rules that all participants' cars must follow. Formula One was a formula agreed upon in 1946 to officially become effective in 1947. The first Grand Prix in accordance with the new regulations was the 1946 Turin Grand Prix, anticipating the formula's official start.[citation needed] Before World War II, a number of Grand Prix racing organisations made suggestions for a new championship to replace the European Championship, but due to the suspension of racing during the conflict, the new International Formula for cars did not become formalised until 1946, to become effective in 1947. The new World Championship was instituted to commence in 1950.[citation needed]

  The first world championship race took place at Silverstone Circuit in the United Kingdom on 13 May 1950. Giuseppe Farina, competing for Alfa Romeo,
```

won the first Drivers' World Championship, narrowly defeating his teammate Juan Manuel Fangio. Fangio won the championship in 1951, 1954, 1955, 1956, and 1957. This set the record for the most World Championships won by a single driver, a record that stood for 46 years until Michael Schumacher won his sixth championship in 2003.

Juan Manuel Fangio's 1951 title-winning Alfa Romeo 159

A Constructors' Championship was added in the 1958 season. Stirling Moss, despite being regarded as one of the greatest Formula One drivers in the 1950s and 1960s, never won the Formula One championship. Between 1955 and 1961, Moss finished second in the championship four times and third the other three times. Fangio won 24 of the 52 races he entered—still the record for the highest Formula One winning percentage by an individual driver. National championships existed in South Africa and the UK in the 1960s and 1970s. Promoters held non-championship Formula One events for many years. Due to the increasing cost of competition, the last of these was held in 1983.

This era featured teams managed by road-car manufacturers, such as Alfa Romeo, Ferrari, Mercedes-Benz and Maserati. The first seasons featured prewar cars like Alfa Romeo's 158, which were front-engined, with narrow tyres and 1.5-litre supercharged or 4.5-litre naturally aspirated engines. The 1952 and 1953 seasons were run to Formula Two regulations, for smaller, less powerful cars, due to concerns over the dearth of Formula One cars. When a new Formula One formula for engines limited to 2.5 litres was reinstated for the 1954 world championship, Mercedes-Benz introduced its W196, which featured things never seen on Formula One cars before, such as desmodromic valves, fuel injection, and enclosed streamlined bodywork. Mercedes drivers won the championship for the next two years, before the team withdrew from all motorsport competitions due to the 1955 Le Mans disaster.

<br>

<h2 id="seasons">Seasons</h2>

<p>F1 seasons are a series of races known as Grands Prix, held on purpose-built circuits and public roads around the world. Below are links to detailed pages for some recent seasons:</p>

<ul>

<li>

<a href="2021.html#races">2021 Season</a> - The 2021 season was notable for its intense rivalry between Lewis Hamilton and Max Verstappen, culminating in a controversial final race in Abu Dhabi. Key races include the <a href="2021.html#bahrain">Bahrain Grand Prix</a>, <a href="2021.html#abudhabi">Abu Dhabi Grand Prix</a>.

</li>

<li>

<a href="2022.html#races">2022 Season</a> - The 2022 season saw significant changes in car design regulations aimed at improving racing competitiveness and reducing aerodynamic wake. Key races include the <a



```
href="2022.html#monaco">Monaco Grand Prix</a>, <a
href="2022.html#brasil">Brazilian Grand Prix</a>.
    </li>
    <li>
        <a href="2023.html#races">2023 Season</a> - The 2023 season
continued to build on the new regulations with exciting races and emerging
talents making their mark on the championship. Key races include the <a
href="2023.html#British">British Grand Prix</a>, <a
href="2023.html#japanese">Japanese Grand Prix</a>.
    </li>
</ul>
<h2 id="notable-drivers">Notable Drivers</h2>
<p>Some of the notable drivers in F1 history include Michael Schumacher,
Ayrton Senna, and Lewis Hamilton.</p>

<br>
<br>
<table border="1">
    <thead>
        <tr>
            <th>Driver</th>
            <th>Team(s)</th>
        </tr>
    </thead>
    <tbody>
        <tr>
            <td>Michael Schumacher</td>
            <td>Benetton, Ferrari</td>
        </tr>
        <tr>
            <td>Ayrton Senna</td>
            <td>Toleman, Lotus, McLaren</td>
        </tr>
        <tr>
            <td>Lewis Hamilton</td>
            <td>McLaren, Mercedes</td>
        </tr>
    </tbody>
</table>
<h2 id="Circuits">Circuits</h2>
<p>F1 is one of the most popular and well-known auto racing sports in the
world. <p>
</body>
</html>
```

2021.html

```
<head>
  <title>F1 2021 Season</title>
</head>
<body>
  <h1>F1 2021 Season</h1>
  <div>
    <h2>Contents</h2>
    <ul>
      <li><a href="#overview">Overview</a></li>
      <li><a href="#races">Races</a></li>
    </ul>
  </div>

  <h2 id="overview">Overview</h2>
  <p>The 2021 FIA Formula One World Championship was the motor racing
championship for Formula One cars. It was the 72nd running of the Formula One
World Championship.</p>
  

  <h2 id="races">Races</h2>
  <p>Here are some key races from the 2021 season:</p>
  <h3 id="bahrain">Bahrain Grand Prix</h3>
  <p>The Bahrain Grand Prix was the first race of the season. </p>
  

  <h3 id="abudhabi">Abu Dhabi Grand Prix</h3>
  <p>The Abu Dhabi Grand Prix was the final race of the season. </p>
  
</body>
</html>
```

2022.html

```
<head>

  <title>F1 2022 Season</title>

</head>
<body>
  <h1>F1 2022 Season</h1>
  <div>
    <h2>Contents</h2>
    <ul>
      <li><a href="#overview">Overview</a></li>
      <li><a href="#races">Races</a></li>
    </ul>
  </div>

  <h2 id="overview">Overview</h2>
  <p>The 2022 FIA Formula One World Championship was the motor racing
championship for Formula One cars. It was the 73rd running of the Formula One
World Championship.</p>
  

  <h2 id="races">Races</h2>
  <p>Here are some key races from the 2022 season:</p>
  <h3 id="monaco">Monaco Grand Prix</h3>
  <p>The Monaco Grand Prix is one of the most prestigious races. </p>
  

  <h3 id="brasil">Brazilian Grand Prix</h3>
  <p>The Brazilian Grand Prix was a highlight of the 2022 season. </p>
  
</body>
</html>
```

2023.html

```
<head>

    <title>F1 2023 Season</title>

</head>
<body>
    <h1>F1 2023 Season</h1>
    <div>
        <h2>Contents</h2>
        <ul>
            <li><a href="#overview">Overview</a></li>
            <li><a href="#races">Races</a></li>
        </ul>
    </div>

    <h2 id="overview">Overview</h2>
    <p>The 2023 FIA Formula One World Championship was the motor racing championship for Formula One cars. It was the 74th running of the Formula One World Championship.</p>
    

    <h2 id="races">Races</h2>
    <p>Here are some key races from the 2023 season:</p>
    <h3 id="British">British Grand Prix</h3>
    <p>The British Grand Prix is one of the key races.</p>
    

    <h3 id="japanese">Japanese Grand Prix</h3>
    <p>The Japanese Grand Prix was a standout event. [More Info](https://en.wikipedia.org/wiki/2023_Japanese_Grand_Prix)</p>
    
</body>
</html>
```

Index.html page

Formula 1

Contents

- [Introduction](#)
- [History](#)
- [Seasons](#)
- [Notable Drivers](#)
- [Circuits](#)

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Introduction

Formula One, commonly known as Formula 1 or F1, is the highest class of international racing for open-wheel single-seater formula racing cars sanctioned by the Fédération Internationale de l'Automobile (FIA). The FIA Formula One World Championship has been one of the world's premier forms of racing since its inaugural running in 1950. The word formula in the name refers to the set of rules all participants' cars must follow. A Formula One season consists of a series of races, known as Grands Prix. Grands Prix take place in multiple countries and continents on either purpose-built circuits or closed public roads.

History



Formula One originated from the European Motor Racing Championships of the 1920s and 1930s. The formula is a set of rules that all participants' cars must follow. Formula One was a formula agreed upon in 1946 to officially become effective in 1947. The first Grand Prix in accordance with the new regulations was the 1946 Turin Grand Prix, anticipating the formula's official start [citation needed] Before World War II, a number of Grand Prix racing organisations made suggestions for a new championship to replace the European Championship, but due to the suspension of racing during the conflict, the new International Formula for cars did not become formalised until 1946, to become effective in 1947. The new World Championship was instituted to commence in 1950 [citation needed] The first world championship race took place at Silverstone Circuit in the United Kingdom on 13 May 1950. Giuseppe Farina, competing for Alfa Romeo, won the first Drivers' World Championship, narrowly defeating his teammate Juan Manuel Fangio. Fangio won the championship in 1951, 1954, 1955, 1956, and 1957. This set the record for the most World Championships won by a single driver, a record that stood for 46 years until Michael Schumacher won his sixth championship in 2003. Juan Manuel Fangio's 1951 title-winning Alfa Romeo 159 A Constructors Championship was added in the 1958 season. Stirling Moss, despite being regarded as one of the greatest Formula One drivers in the 1950s and 1960s, never won the Formula One championship. Between 1955 and 1961, Moss finished second in the championship four times and third the other three times. Fangio won 24 of the 52 races he entered—still the record for the highest Formula One winning percentage by an individual driver. National championships existed in South Africa and the UK in the 1960s and 1970s. Promoters held non-championship Formula One events for many years. Due to the increasing cost of competition, the last of these was held in 1983. This era featured teams managed by road-car manufacturers, such as Alfa Romeo, Ferrari, Mercedes-Benz and Maserati. The first seasons featured previous cars like Alfa Romeo's 158, which were front-engined, with narrow tyres and 1.5-litre supercharged or 4.5-litre naturally aspirated engines. The 1952 and 1953 seasons were run to Formula Two regulations, for smaller, less powerful cars, due to concerns over the death of Formula One cars. When a new Formula One formula for engines limited to 2.5 litres was reinstated for the 1954 world championship, Mercedes-Benz introduced its W196, which featured things never seen on Formula One cars before, such as desmodromic valves, fuel injection, and enclosed streamlined bodywork. Mercedes drivers won the championship for the next two years, before the team withdrew from all motorsport competitions due to the 1955 Le Mans disaster.

Seasons

Seasons

F1 seasons are a series of races known as Grands Prix, held on purpose-built circuits and public roads around the world. Below are links to detailed pages for some recent seasons:

- [2021 Season](#) - The 2021 season was notable for its intense rivalry between Lewis Hamilton and Max Verstappen, culminating in a controversial final race in Abu Dhabi. Key races include the [Bahrain Grand Prix](#), [Abu Dhabi Grand Prix](#).
- [2022 Season](#) - The 2022 season saw significant changes in car design regulations aimed at improving racing competitiveness and reducing aerodynamic wake. Key races include the [Monaco Grand Prix](#), [Brazilian Grand Prix](#).
- [2023 Season](#) - The 2023 season continued to build on the new regulations with exciting races and emerging talents making their mark on the championship. Key races include the [British Grand Prix](#), [Japanese Grand Prix](#).

Notable Drivers

Some of the notable drivers in F1 history include Michael Schumacher, Ayrton Senna, and Lewis Hamilton.



Driver	Team(s)
Michael Schumacher	Benetton, Ferrari
Ayrton Senna	Toleman, Lotus, McLaren
Lewis Hamilton	McLaren, Mercedes

Circuits

F1 is one of the most popular and well-known auto racing sports in the world.

2021.html

## F1 2021 Season

### Contents

- [Overview](#)
- [Races](#)

### Overview

The 2021 FIA Formula One World Championship was the motor racing championship for Formula One cars. It was the 72nd running of the Formula One World Championship.



### Races

Here are some key races from the 2021 season:

#### Bahrain Grand Prix

The Bahrain Grand Prix was the first race of the season.



#### Abu Dhabi Grand Prix

The Abu Dhabi Grand Prix was the final race of the season.



2022.html

## F1 2022 Season

### Contents

- [Overview](#)
- [Races](#)

### Overview

The 2022 FIA Formula One World Championship was the motor racing championship for Formula One cars. It was the 73rd running of the Formula One World Championship.



### Races

Here are some key races from the 2022 season:

#### Monaco Grand Prix

The Monaco Grand Prix is one of the most prestigious races.



#### Brazilian Grand Prix

The Brazilian Grand Prix was a highlight of the 2022 season.



2023.html

## F1 2023 Season

### Contents

- [Overview](#)
- [Races](#)

### Overview

The 2023 FIA Formula One World Championship was the motor racing championship for Formula One cars. It was the 74th running of the Formula One World Championship.



### Races

Here are some key races from the 2023 season:

The British Grand Prix is one of the key races.



### Japanese Grand Prix

The Japanese Grand Prix was a standout event. [More Info]([https://en.wikipedia.org/wiki/2023\\_Japanese\\_Grand\\_Prix](https://en.wikipedia.org/wiki/2023_Japanese_Grand_Prix))





Image in new tab

