import streamlit as st

from PIL import Image

# Set page configuration

st.set\_page\_config(page\_title="Hema Priya Pothumarthi - Portfolio", page\_icon=":robot:", layout="wide")

# Custom CSS for styling

st.markdown("""

<style>

            .big-font {

            font-size:50px !important;

            font-weight: bold;

            color: #000000;

            }

            .medium-font {

            font-size:20px !important;

            color: #000000;

            }

            .small-font {

            font-size:16px !important;

            color: #000000;

            }

            .header {

            background-color: #a9a095;

            padding: 10px;

            border-radius: 10px;

            margin-bottom: 10px;

            }

</style>

""", unsafe\_allow\_html=True)

st.markdown(

    """

    <style>

    [data-testid="stAppViewContainer"] {

        background-color: #bcb4a1;

    }

    </style>

    """,

    unsafe\_allow\_html=True

)

st.markdown(

    """

    <style>

        .nav-link {

            text-decoration: none;

            font-size: 15px;

            padding: 10px 15px;

            border-radius: 5px;

            background-color: #a9a095;

            color: black;

        }

        .nav-link:hover {

            background-color: #a9a095;

        }

    </style>

    """,

    unsafe\_allow\_html=True

)

st.markdown(

    '<a class="nav-link" href="/projects" target="\_self">Projects</a>',

    unsafe\_allow\_html=True

)

st.markdown('<div class="main-content">', unsafe\_allow\_html=True)

image = Image.open("picture.jpg")

col1, col2 = st.columns([3, 1])

with col1:

    st.markdown('<h1 class="big-font">Hema Priya Pothumarthi</h1>', unsafe\_allow\_html=True)

    st.markdown('<p class="medium-font">Robotics Engineer | MS in Robotics at University of Pennsylvania</p>', unsafe\_allow\_html=True)

    st.markdown('<p class="small-font">Email: hemapothumarthi@gmail.com | Phone: (267)-261-2654 | <a href="https://github.com/hpriyap">GitHub</a> | <a href="https://www.linkedin.com/in/hema-priya-pothumarthi-2752001p26">LinkedIn</a></p>', unsafe\_allow\_html=True)

    st.markdown("""

    <h2 class="medium-font" style="margin-top: 10px;">About Me</h2>

    <p class="small-font" style="margin-top: -10px;">

        I am a passionate Robotics Engineer currently pursuing my Master's in Robotics at the University of Pennsylvania.

        My expertise lies in robotics, machine learning, computer vision, and human-computer interaction.

        I have hands-on experience in developing and optimizing robotic systems, and I am always eager to take on new challenges in the field of robotics and automation.

    </p>

    """, unsafe\_allow\_html=True)

with col2:

    st.image(image, use\_container\_width=True)  # Adjust the width as needed to fit your layout

# Education Section

st.markdown('<div class="header"><h2 class="medium-font">Education</h2></div>', unsafe\_allow\_html=True)

st.markdown("""

<p class="small-font">

    <strong>University of Pennsylvania, Philadelphia, PA</strong><br>

    Master of Science in Robotics (MSE)<br>

    Aug 2023 – Dec 2025<br>

    Relevant Coursework: Machine Learning, Computer Vision, Linear Systems Theory, Human-Computer Interaction<br>

    GPA: 3.67/4.00<br><br>

</p>

<p>

    <strong>VNR Vignana Jyothi Institute of Technology, Hyderabad, India</strong><br>

    Bachelor of Technology in Mechanical Engineering<br>

    Aug 2019 – June 2023<br>

    GPA: 3.65/4.00

</p>

""", unsafe\_allow\_html=True)

# Technical Skills Section

st.markdown('<div class="header"><h2 class="medium-font">Technical Skills</h2></div>', unsafe\_allow\_html=True)

st.markdown("""

<p class="small-font">

    <strong>Platforms/Tools/Frameworks:</strong> Solidworks, AutoCAD, Roboguide, Gazebo, MATLAB, PyTorch, NumPy, Pandas<br>

    <strong>Operating Systems:</strong> Linux (Ubuntu), ROS, ROS2<br>

    <strong>Programming Languages:</strong> Python, C, C++

</p>

""", unsafe\_allow\_html=True)

# Experience Section

st.markdown('<div class="header"><h2 class="medium-font">Experience</h2></div>', unsafe\_allow\_html=True)

st.markdown("""

<p class="small-font">

    <strong>Ava Robotics, Somerville, MA</strong><br>

    Robotics Engineer Intern<br>

    Feb 2024 – June 2024<br>

    - Developed troubleshooting protocols for Ava robot systems, resulting in a 11% performance improvement.<br>

    - Updated Ava Robot’s OS and optimized resources, leading to smoother and faster task execution.<br>

    - Developed APIs for communication between robot components and external systems, boosting system integration and task automation.<br><br>

 </p>

<p>

    <strong>Swan Turbine Services, Hyderabad, India</strong><br>

    Engineering Intern<br>

    May 2023 – July 2023<br>

    - Assisted in managing production processes and inventory control, improving resource allocation efficiency.<br>

    - Involved in departmental operations and project management, enhancing cross-functional workflow.<br><br>

 </p>

<p>

    <strong>FANUC, India</strong><br>

    Trainee<br>

    Oct 2022 – Nov 2022<br>

    - Trained in programming and simulating multiple FANUC robots using Roboguide software.<br>

    - Applied this knowledge to calibrate and train a 6-axis SCARA Robot for multiple pick-and-place and assembly operations.<br><br>

 </p>

<p>

    <strong>University of Pennsylvania</strong><br>

    Graduate Monitor, Weingarten Tutoring Center<br>

    Aug 2024 – Present<br>

    - Enhanced tutoring experience by troubleshooting system performance issues and optimizing equipment use.<br>

    - Increased drop-in tutoring center outreach through student interactions, enhancing the academic support system.

 </p>

""", unsafe\_allow\_html=True)

# Leadership Section

st.markdown('<div class="header"><h2 class="medium-font">Leadership</h2></div>', unsafe\_allow\_html=True)

st.markdown("""

<p class="small-font">

    <strong>ROTARACT - Youth Wing of Rotary International, District 3150, India</strong><br>

    - Organized community service events focusing on women’s menstrual health awareness and conducted educational and entertainment sessions for children across 4 orphanages.<br>

    - Fostered camaraderie and cohesion within the club by orchestrating 5 fellowship events.<br><br>

</p>

            <p>

    <strong>Livewire Dance Crew, Collegiate Dance Club of VNRVJIET, Hyderabad</strong><br>

    - Managed and organized a team of 40 dancers, leading Livewire Dance Crew to multiple victories and enhancing its reputation.<br>

    - Handled finances, edited audio tracks, and managed social media ensuring efficient operations and increased crew reach.

</p>

""", unsafe\_allow\_html=True)

# Footer Section

st.markdown("""

<p class="small-font" style="text-align: center;">

    &copy; 2024 Hema Priya Pothumarthi. All rights reserved.

</p>

""", unsafe\_allow\_html=True)

st.markdown('</div>', unsafe\_allow\_html=True)