MANAPURAM JYOTHIRMAYI

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CAREER OBJECTIVE

Seeking for the role of software professional where, I can enhance my skills and contribute efficiently for the growth of the organization as well as my professional career.

ACADEMICS

- Bachelor of Technology (2020 to 2023-Full Time) specialized in Computer Science Engineering from Maharaj Vijayaram Gajapathiraj College of Engineering, Vizianagaram with 8.08 CGPA (till date).
- Diploma in Computer Engineering (2017 to 2020-Full Time) from Government Polytechnic for Women, Srikakulam, with 87.08%
- SSC from Government Girls High School, Gajapathinagaram (2016 to 2017-Full Time) with 9.3 CGPA.

TECHNICAL EXPERTISE

- Languages : C, Python, Basic Java
- Web technologies: HTML, CSS
- Database Knowledge: SQL
- Operating System: Windows
- Packages: MS-Office

INTERNSHIPS

1) **Robotic Process Automation (RPA)**   **Oct 2021-Dec 2021**

   EDU SKILLS (Virtual Internship) - Supported by Blueprism University
- Acquired necessary skills to develop automated business process using blue prism software.
- Learned how to develop RPA solutions using Blueprism tools for designing, creating and testing.

2) **Cybersecurity**   **Mar 2022-May 2022**

   Paloalto Cybersecurity Academy (Virtual Internship)
- Developed a basic understanding of cybersecurity principles, including ideas like availability, confidentiality, and integrity.
- Gained knowledge of typical security threats and how to identify and mitigate them.

PROJECTS

1) **Automatic Railway Gate Management System using IOT**
- **Tool Used:** Tinkercad
- Developing and designing circuits with Tinkercad. Tinkercad's virtual breadboard enables to connect components, which are used to construct circuits. The designs are tested using a simulation tool.
- Servomotor serves as a gate in this process. Using an ultrasonic sensor, we track the arrival of training. In

response to the train being detected by the ultrasonic sensor, a red signal will be displayed on a led, and a servomotor automatically rotates 90 degrees to signify that the gate is closed. Once the train moves a given distance from the sensor, it will get reopened, showing a green led indicator until the sensor was again picked up the arrival of the train. A code was developed for the servomotor to open and close.

2) **Book Recommendation System based on Ratings.**

- **Tools Used:** Jupyter Notebook, Pycharm IDE

- Built a recommender system for books based on ratings using hybrid filtering approach which is a combination of both content-based and collaborative filtering techniques.

- Also used cosine similarity which is an unsupervised learning technique to find similarity between two vectors. We use cosine similarity to determine the similarity between these books which acts here as vectors by measuring cosine angle.

CERTIFICATIONS

- Achieved student level credential for completing CCNAv7-Introduction to Networkscourse
- Completed the Cisco Networking Academy, Cybersecurity Essentials course.
- Completed the PCAP-Programming Essentials in Python course provided by Cisco.

EXTRA CURRICULAR ACTIVITIES

- Achieved 2nd prize in Spell bee competition at Ramana Murthy IIT Concept School, Vizianagaram.
- Achieved 3rd prize in Supadha Samskara Prathibha Pareeksha, Vizianagaram.
- Participated in Essay Writing Competition conducted by District Legal Services Authority, Srikakulam.
- Participated in PrepSat Hiring Jobathon organized by PrepInsta.
- Participated in IoT Project Expo held in College on Nov 26, 2022.

PERSONAL INFORMATION

- DOB   : 03-08-2001
- Gender   : Female
- Languages Known : Telugu, Hindi, English
- Address   : H.No: 5-147, Medara Street, Gajapathinagaram, Vizianagaram, AP-535270.

DECLARATION

 I hereby declare that the information provided above is true to the best of my knowledge and belief.

                                                                                                 MANAPURAM JYOTHIRMAYI