RAMELLA PUJITHA

Phone : +91 9391586508
Email : pujitharamella@gmail.com
Address: Remalli, Andhra Pradesh, 521110
Telegram: t.me/Puji_ramella
LinkedIn: https://linkedin.com/in/ramella-pujitha-11096325b

Objective: To secure a challenging position in a reputable organization where I can make best of my potential by expanding my learnings, skills and knowledge while making a significant contribution to the success of the company.
Python, SQL, DBMS, C, C++, HTML, CSS, JAVASCRIPT, Power BI, Ethical Hacking

Technical Skills

- Python
- Power BI
- JAVA
- SQL
- DBMS
- Ethical Hacking
- HTML
- CSS
- JAVA SCRIPT

INTRENSHIPS

JAVA FULLSTACK

Vishnav Technologies November 2024 - Present

During Java Full Stack Development internship, gained hands-on experience in building end-to-end web applications. Worked on front-end development with HTML, CSS, and JavaScript, back-end development using Java and frameworks like Spring, and database management with SQL, enhancing your full-stack expertise.

ETHICAL HACKING

Supraja Technologies June 2024 - November 2024

During ethical hacking internship, gained hands-on experience in cybersecurity by learning techniques to identify and address vulnerabilities in systems and networks. And I explored tools and methodologies for penetration testing, threat analysis, and securing applications, enhancing your knowledge of ethical hacking practices and cybersecurity principles.

ARTIFICIAL INTELLIGENCE

Elwwayte November 2023 - December 2023

During AI internship, I worked on developing machine learning models and algorithms to solve real-world problems. And gained expertise in data preprocessing, model training, and evaluation using Python libraries. This experience enhanced my skills in AI, problem-solving, and innovation.

WEB DEVELOPMENT

Intrenshala May 2023 - June 2023

During web development internship, gained hands-on experience in designing responsive websites using HTML, CSS, and JavaScript, integrating back-end functionalities with SQL, and optimizing website performance. This experience enhanced technical expertise, problem-solving abilities, and understanding of web development processes.

PROJECTS

VIRTUAL MOUSE USING HAND GESTURES

This project involves creating a virtual mouse controlled by hand gestures using computer vision and machine learning techniques. A webcam captures real-time video of hand movements, which are then processed by the Mediapipe library to detect and track hand gestures. These gestures are mapped to cursor movements and click actions using PyAutoGUI, allowing users to control their computers without physical contact. The system offers high accuracy and low latency, ensuring a responsive and intuitive user experience. This hands-free operation enhances accessibility and provides an innovative way to interact with computers.

The virtual mouse using hand gestures offers numerous uses and benefits. It provides a hands-free method of controlling a computer, which can be particularly advantageous for individuals with mobility impairments, enhancing accessibility. The system also reduces the need for physical contact, making it a hygienic alternative to traditional input devices, especially in shared or public environments. Additionally, it introduces an innovative and engaging way to interact with computers, which can enhance user experience and productivity. The intuitive gesture-based control can also lead to reduced strain and fatigue compared to prolonged use of a traditional mouse.

IMAGE STEGANOGRAPHY

This project demonstrates the use of image steganography to securely embed sensitive information within digital images using Python. The system modifies the least significant bits (LSBs) of pixel values to hide data in a way that is invisible to the human eye. Python libraries like OpenCV, Pillow, and NumPy facilitate efficient encoding and decoding of data while maintaining the visual integrity of the image. In the encoding phase, user-provided data is converted into binary and embedded into the image pixels, while the decoding phase extracts the hidden information seamlessly.
The technique is widely applicable in cybersecurity for secure communication, digital watermarking, and protecting intellectual property. It offers a cost-effective and covert way to transmit data with low detection probability. By incorporating encryption methods, the system can further enhance security, making it a reliable tool for safeguarding sensitive information in today's digital world. This project highlights Python’s versatility in addressing cybersecurity challenges.

Education

Bachelor of Technology

College: Bapatla Women’s Engineering College
Specialization: Artificial Intelligence & Machine Learning
Percentage: 85%

Intermediate

College: DKNP Jurnior College
Specialization: MPC
Percentage: 78%

SSC

School: Sri Vignan High School
Percentage: 93%

Certifications & Badges

- I completed certification on **Artificial Intelligence** from Pantech eLearning.
- I completed certification on **Web Development** from Internshala Trainings.
- I completed certification on **Cyber Security** from Great Learning.
- I completed certification on **Artificial Intelligence with Python** from Great Learning.
- I completed certification on **Python, Java, SQL, HTML,** and **C#** from SoloLearn.
- I got badges for **LeetCode 75, Top Interview 150, Introduction to Pandas, Top 100 Liked, and Top SQL 150** on LeetCode.
- I got **Python and Java badges** on HackerRank.

PERSONAL INFORMATION

DOB: 25/02/2004
Marital Status: Unmarried
Nationality: Indian

LANGUAGES KNOWN

English
Telugu

DECLARATION

I hereby declare that all the information given above is true and correct to the best of my knowledge.
Pujitha.