

# Gayathri Chandragiri

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## **Career Objective**

To obtain a software engineering position where I can apply my skills in software design and development to deliver efficient solutions and continue to grow professionally.

## **Education**

**Master of Computer Applications (MCA), Vaagdevi Engineering college, Warangal**

2023 - 2025 pursuing, current score: 86%

**B.Sc in MPCs, Dharmika Degree college, Vemulawada**

2020 - 2023

Score: 84%

**Intermediate (MPC), Pavithra Junior College, Vemulawada**

2018 - 2020

Score: 94%

SSC, Jawaharlal Nehru High School, Vemulawada

2008 - 2018

Score: 88%

## Academic Projects

## **1. Detection of Phishing Websites Using URLs 3 Months**

**Objective:** Designed a system to detect phishing attacks by analysing malicious URLs and suspicious messages.

- Detected phishing attempts using URL pattern recognition and file analysis.
  - Applied machine learning algorithms for classification and prevention.
  - Focused on improving detection accuracy and minimizing false positives.

**Outcome:** Strengthened cybersecurity by reducing phishing risks and protecting user data.

## **Role: Lead Developer**

**Responsibilities:** Planned, designed, and implemented the project, including developing detection algorithms and testing for accuracy and reliability.

## **2. Strain Analysis Using Eye Blinking 3 Months**

**Objective:** Developed an AI-based system to analyse physical strain using eye blinking patterns.

- Used Eye Aspect Ratio (EAR) to detect blinks via facial landmarks in live video streams.

- Calculated Euclidean distances between eye coordinates for accurate detection.
- Mapped 2D landmarks across the face for precise analysis.

**Technology:** Deep learning techniques

**Outcome:** Enabled real-time strain monitoring and evaluation.

**Role:** Lead Developer

**Responsibilities:** Designed and built the system, including data processing, algorithm development, and testing using tools such as shapedetector.dat.

## Certifications

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- IoT Bootcamp – Completion Certificate
- Infosys springboard Angular Developer
- Codetech – Internship Certificate
- SPYRO (IEEE Event) – Volunteer and Participation Certificate

## Publications

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Published a research paper titled “Eye Blink Based Strain Detection Using Facial Landmark Tracking Towards a Non - intrusive Human Stress Monitoring System” in the International Journal of Research and Applications (vol. 12, issue 46, April - June 2025)

## Technical Skills

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**Programming Languages:** Python, Core Java, C++

**Frontend Technologies:** HTML, CSS, JavaScript

**Backend Technologies:** SQL

## Soft Skills

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- Quick learner
- Strong communication skills
- Positive attitude
- Reliable and committed

## Declaration

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

**Gayathri Chandragiri**