

## **SHILPA NERALLA**

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## **OBJECTIVE**

To pursue a challenging career in a progressive organization that allows me to enhance my knowledge and utilize my skills for the growth of the organization.

## **ACADEMIC PROFILE**

- **Bachelor of Technology from Sphoorthy Engineering College, 2021 – 2025**
  - **Specialization:** AI & ML
  - **CGPA:** 7.72
- **Intermediate from Sneha Junior College, Ramayampet, 2019 - 2021**
  - **Percentage:** 81.8%
- **SSC (Secondary School Certificate) from Manjeera Vidyalayam High School, Ramayampet, 2019**
  - **CGPA:** 8.8

## **KEY SKILLS**

- **Soft Skills:**
  - Adaptability
- **Technical Skills:**
  - Programming Languages: Java, Python
  - Web Development: HTML, CSS, JavaScript, React, MongoDB
  - Database Management: MySQL
  - DevOps Tools: Jenkins, Docker, Git
  - Specialized Areas: Artificial Intelligence (AI), Machine Learning (ML)

## **PROJECTS**

- **ThyroNet: a CNN based intelligent diagnostic tool for thyroid cancer detection (Major Project)**
  - Built a CNN model (**ResNet18**) to classify thyroid ultrasound images (benign/malignant) using the TNPPD-Net dataset.
  - Achieved high classification accuracy with **PyTorch** and **deep learning techniques**.
  - Integrated an **NLP-powered** chatbot using **Sentence Transformers** for query handling.
- **Cognitive Wellness and Personalized Medical Guidance Ecosystem (Mini Project)**
  - Developed an **AI-powered healthcare chatbot** that provides real-time health guidance and disease prediction.

- Implemented features such as **symptom analysis**, **nearby hospital search**, and **mental health support**.
- Built using **HTML, CSS, JavaScript (Frontend)**, **Node.js (Backend)**, **MongoDB (Database)**.
- **Heart Disease Prediction**
  - Built a **Heart Disease Prediction Model** using **Machine Learning algorithms**.
  - Trained on medical datasets to analyse patient data and predict potential heart disease risks.
  - Utilized **Python, Pandas, Scikit-learn, and Matplotlib** for data analysis and visualization.

## **INTERNSHIPS**

- **Full Stack Web Development with MERN Stack | Edunet Foundation**  
**March 2025 – April 2025**
  - Built a responsive full-stack e-commerce website using React.js, Node.js, Express, and MongoDB, gaining hands-on experience with REST APIs, frontend integration, authentication, and Git & GitHub.
- **Swecha SOAI Internship | Swecha Telangana**  
**May 2024 – June 2024**
  - Collected cultural data and recorded voice inputs for the Telugu AI Corpus, preserving folk tales, skills, and history.
  - Participated in AI projects and coding challenges to gain practical experience.
- **AI-ML Virtual Internship | AICTE- Eduskills Foundation**  
**September 2023 – November 2023**
  - Engaged in in-depth learning sessions on AI-ML concepts and tools

## **CERTIFICATIONS**

- Certified Machine Learning with Python, IBM - Jan 2024
- Career Essentials in Generative AI, Microsoft and LinkedIn - Jan 03, 2024
- Natural Language Processing, Great Learning - Apr 2024
- Java Tools, Infosys SpringBoard - Aug 2023
- Python, Kaggle - Jan 2023
- Data Structures & Algorithms, Skill academy Bootcamp - Aug 2023

## **EXTRA CURRICULAR ACTIVITIES**

- **Volunteer|36-HOURS IDEATHON**  
**Event Coordinator, Ideathon League 2022 | Sphoorthy Engineering College, Nadargul**
  - Coordinated and facilitated Ideathon League 2022, an event organized by Creators Club

## **PERSONAL INFORMATION**

- **Residing Address:** Hyderabad, India 500001
- **Date of Birth:** 16th March 2004
- **Languages Known:** Telugu, English, Hindi