

# LAKSHMI KAVYA ARAVA

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## **CAREER OBJECTIVE:**

To take a challenging and managerial role in the field of Computer Science and seeking a position where I can apply my skills and knowledge to develop complex projects with efficiency and quality.

## **ACADEMIC QUALIFICATIONS:**

- **B. Tech JNTU, Kakinada (2019-2023)**  
Department of Computer science and Engineering with **70%**  
Narasaraopet Institute of Technology, Narasaraopet.
- **Board of Intermediate Education Andhra Pradesh (2017-2019)**  
Vagdevi junior college, Narasaraopet with **9.38 CGPA**
- **SSC Board of Secondary Education Andhra Pradesh (2016-2017)**  
ZP High school Pedamakkena with **9.0 CGPA**

## **TECHNICAL SKILLS:**

### **Web Technologies:**

- Proficient in building websites using HTML concepts, **including text formatting, image integration, hyperlink creation, form input, frames, and tables.**
- Skilled in website design employing CSS concepts such as **margin adjustment, border styling, the CSS box model, background features, and layout techniques.**
- Familiarity with basic JavaScript concepts including **variables, data types, operators, conditional statements, arrays, functions, objects, and events.**
- Basic understanding of core JavaScript concepts, including **DOM manipulation, asynchronous operations, ES6+ features, and closures/scoping**, laying the groundwork for building interactive web applications.
- Familiarity with modern web development techniques, including **AJAX** for asynchronous communication, module systems like **ES6 Modules** for code organization, and **JSON** for seamless data interchange, enabling the creation of dynamic and interactive web pages with enhanced user interactions.

**Artificial Intelligence:** Basic understanding of Artificial Intelligence concepts. Some are

- Machine learning algorithms
- Neural networks
- Natural language processing
- Convolutional Neural Network (CNN)
- Dual-path network (DPN68-A).

**Machine Learning:** Basic understanding of machine learning concepts. Some are

- Supervised
- Unsupervised learning
- Regression
- Classification
- Model evaluation.

**Proficient in Java:** Skilled in Java programming, with a strong foundation in **object-oriented principles, multi-threading, and application development**, contributing to diverse and robust software solutions.

**SQL Proficiency:** Adept at designing and optimizing relational databases, writing complex **SQL queries**, and employing database management systems such as **MySQL** to ensure efficient data storage and retrieval in applications.

**Operating Systems:** Proficient in **Windows** with a foundational understanding of **Linux**.

## **PROJECTS:** -

1) **Title:** Online Pet Kart

**Project Description:**

Developed a user-friendly online shopping web application, focusing on a seamless user experience. The design prioritized simplicity and ease of use. The project utilized Angular with flex-layout and Angular Material for the frontend, while the backend was powered by Node.js. Business logic was implemented in TypeScript, and data was stored in MongoDB.

**Project Duration:** 6 months

**My Role in Project:** Team Leader

**Technologies Used:** Angular, Node.js, TypeScript, MongoDB

2) **Title:** Breast Cancer Diagnosis on Pathological Images

**Project Description:**

Implemented a breast cancer diagnostic system using histopathology images to classify cells as Normal or Cancerous. Achieved a remarkable accuracy of more than 95%.

**Project Duration:** 6 months

**My Role in Project:** Team Leader

**Technologies Used:** Convolutional Neural Network (CNN), Dual-path network (DPN68-A), Cycle Generative Adversarial Network (Cycle GAN), Python

## **CERTIFICATIONS:**

- Cloud computing and soft skills ([\*\*NPTEL ONLINE CERTIFICATION\*\*](#))
- Python course ([\*\*Naresh IT\*\*](#))
- **Solo learn Certifications:** Java, C, Python Core.
- Achieved **77.01** percentage in the **TCS National Qualifier Test (NQT)** Cognitive Exam.
- Achieved a medal in “SOFTSKILLS” Organized by “MAHINDRA pride classroom NAANDI foundations” in 2021.

## **DECLARATION:**

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

**Place :** Hyderabad

**Date :** 12-02-2024

**Signature**  
A. Lakshmi Kavya