Karthik Malasani

karthikmalasani21@gmail.com 9347139149 09/12/2003 Ongole
/karthik-malasani-028210234 /Karthik4223

CAREER OBJECTIVE

To pursue a career where I can apply my strong analytical and problem-solving abilities, driven by a passion for continuous learning and innovation. I aim to embrace new challenges, develop my skills, and contribute meaningfully to the growth and success of the organization, while also advancing professionally in a dynamic and collaborative environment.

EDUCATION

Bachelor of Technology, Computer Science and Engineering 2021 – 2025
Vignan's Foundation for Science,Technology and Research Vadlamudi
CGPA: 8.7

Intermediate 2019 – 2021
Vignan co-operative junior college vadlamudi Vadlamudi
Percentage : 95.9%

SSC 2019
Apex High School Ongole
CGPA : 10

WORK EXPERIENCE

Software Development Intern 06/2025 – 12/2025
Optival Health Solutions (MedPlus) Hyderabad

Worked as part of the development team and gained hands on experience in real world projects. Learned how to collaborate effectively within a team environment. Worked with technologies including Core Java, Spring Boot, React, React Native, HTML, CSS, JavaScript, and JSP.

Teaching Assistant 09/2024 – 04/2025
VFSTR Guntur

- Conducted lab sessions and transaction hours to help students understand Database Management Systems (DBMS) and Competitive programming.
- Provided one-on-one support during lectures and labs to assist with concepts like database design with MySQL and Problem solving with DSA .

SKILLS

Problem Solving | Java, Python, C | Data Structures and Algorithms | MySQL | HTML, CSS, JS | Machine Learning | Cloud Computing | React Js | Spring Boot

PROJECTS

User Management System (UMS)

Environment & Tools: Java, JSP, Servlets, Apache Tomcat, MySQL, HTML, CSS, JavaScript

Project Description: User Management System (UMS) is a full-stack application developed using Java Spring Boot for the backend and React.js for the frontend. It supports user creation, role creation, and role-rights (permissions) mapping with secure APIs. Admins can assign one or more roles to users, controlling access based on mapped permissions. The system ensures scalable, secure, and role-based access control (RBAC) for enterprise applications.

Library Management System (LMS)

Environment & Tools: Java, JSP, Servlets, Apache Tomcat, MySQL, HTML, CSS, JavaScript

Project Description: The project is a Library Management System (LMS) . It is built using Java Servlets for the backend controller logic and JSP for the user interface, incorporating basic HTML, CSS, and JavaScript. The system manages core library operations including adding, viewing, updating, and deleting books and members, handling book issuance and returns, and generating various reports. The application utilizes a MySQL database for data storage and runs on an Apache Tomcat server.

Disease Semantic Classification using Machine Learning

Environment & Tools: Jupyter Notebook, Pandas, Numpy, Ensemble Model

Project Description: The project aims to classify 33 disease semantic types using an ensemble model, achieving up to 82% accuracy. By leveraging diverse algorithms, the model ensures robust and precise classification across a wide range of disease types. The approach emphasizes accuracy and reliability, providing a valuable tool for medical diagnosis and research.

Breast Cancer Diagnosis using Machine Learning

Environment & Tools: Jupyter Notebook, Pandas, Numpy, Ensemble Model

Project Description: The project aims to classify breast cancer as malignant or benign using an ensemble model, achieving up to 98.8% accuracy. Emphasizing robustness, complexity, and precision, the model effectively distinguishes between cancer types, providing a reliable tool for early diagnosis and treatment planning.

CERTIFICATES

AWS Certified Cloud Practitioner (certified from AWS)

Smart Coder (Certified from Smart Interviews)

Partner: PCAP - Programming Essentials in Python (Cisco Networking Academy)

Certified in “Preliminary English Test” by CAMBRIDGE

NPTEL

- Problem Solving Through Programming in C
- Introduction to Internet of Thing
- Leadership and Team Effectiveness
- E-Business
- Software Testing

PUBLICATIONS

Advanced Machine Learning for Disease Semantic Classification and Decision Making
IEEE

Advancing Breast Cancer Diagnosis: Ensemble Machine Learning Approach with Preprocessing and Feature Engineering
IEEE

DECLARATION

I here by declare that all the details furnished here are true to the best of my knowledge.

Malasani Karthik