

KAVALI JAYA LAKSHMI

 kavalijayalakshmi123@gmail.com

 +91 9989258087

 Dharmavaram, Andhra Pradesh

EDUCATION

JNTUA College of Engineering Pulivendula (JNTUACEP)

Bachelor of Technology in Electronics and Communication Engineering - 8.9/10 CGPA

2021 - 2025

PROJECTS & INTERNSHIP

Linear Optoacoustic Under Water Communication

- Software Used: Matlab
- Designed and analyzed an optoacoustic hybrid communication system using optical and acoustic signals to improve data transmission rate and range; compared M-ary FSK and multi-frequency FSK based on bandwidth, data rate, and coverage.

Mouse cursor using eye movements by Open CV

- Tech Stack Used: Python, Machine Learning Techniques
- This Project aims to present an application that replaces the traditional mouse with the human face as a new way to interact with the computer.

E-Commerce Web Application (Self Designed)

- Tech Stack Used: React.js(Vite),Java Script ,Html, CSS, Tailwind CSS & Bootstrap
- Developed a responsive single page e commerce application.
- Implemented routing,hooks,JSON data handling and also used flux architecture , formik and Yup form Form Validation.

Internship | Skill Dzure

- Completed a Artificial Intelligence Internship at Skill Dzure , contributing to a project focused on Multi PD RAG Chatbot using Streamlit and Langchain.
- Tech Stack Used: Streamlit, Python, Gemini API, LangChain, PyMuPDF
- A semantic search-based chatbot enabling context-aware querying across multiple PDF documents.

SKILLS

- Languages: Java, Python, JavaScript (ES6), TypeScript
- Frontend: HTML5, CSS3, Bootstrap, React.js (Vite)
- Backend: Node.js, Express.js
- Databases: MySQL, MongoDB
- React Concepts: Hooks, Context API, Router, Lazy Loading
- State Management: Flux, Redux (Basics)
- Forms & Validation: Formik, Yup
- Web Technologies: REST APIs, Fetch API, JSON
- Tools: Git, npm, VS Code, MATLAB
- Core Concepts: OOPs, SPA, Component Based Architecture
- Cloud: AWS (Basics)
- **Soft Skills:** Communication, Teamwork, Problem Solving, Time Management, Stress Management, Analytical Thinking, Leadership, Logical reasoning, Adaptability, Quick Learner.

CERTIFICATES

- Received Cybersecurity Basics from edX tutored by Prof. Rav Ahuja.
- Azure Data Fundamentals certified by Microsoft.
- Received Cloud Computing from Swayam NPTEL tutored by Prof. Soumya Kanti Ghos.
- Received Python Basics for Data Science from edX tutored by Prof. Joseph Santarcangelo.
- Received Advanced Ethical Hacking from Savory Minds tutored by Mr. Amith Kumar.

ADDITIONAL INFORMATION

Languages : English, Telugu, Hindi

Hobbies : Cricket , Painting , Music