

# JAYA LAKSHMI GUNNAM

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## EDUCATION

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### KAKINADA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN

Bachelor of Engineering (CSE-AI&DS)

Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

Kakinada, AP

Aug 2021 - May 2025

### VIGNAN JUNIOR COLLEGE

Intermediate

Mandapeta, AP

Aug 2019 - Apr 2021

## SKILLS

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**Technical Skills:** Python, HTML, CSS, JavaScript, React JS, PostgreSQL, MongoDB, Minio, Machine learning

**Others:** GitHub, Git, Postman, Material-Ui, Ant Design, Figma

## WORK EXPERIENCE

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### RAJ REDDY CENTER FOR TECHNOLOGY AND SOCIETY

Intern – Research Intern

IIIT, HYD

Feb 2025 – Apr 2025

- Developed a Language Learning Tool using the MERN Stack and MinIO
- Built role-based dashboards for System Admins, Admins, and Teachers to manage users, classes, and content
- Integrated RESTful APIs and implemented cloud-based object storage with MinIO
- Gained hands-on experience in **full-stack development** using MongoDB, Express.js, React.js, and Node.js

### KIET - HUB

Intern – Full Stack Developer

KIET, KKD

Aug 2024 – Mar 2025

- Contributed to the development of "Finance Hive," a fully responsive finance management web application using the PERN Stack
- Designed and implemented scalable front-end components with React.js
- Built secure RESTful APIs with Express.js and Node.js, and integrated PostgreSQL for structured data storage
- Gained solid experience in end-to-end development and deploying full-stack applications across devices

## PROJECTS

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### HEALTH PREDICTION (MACHINE LEARNING)

Jan 2024

- Developed a system to forecast future health conditions based on an individual's diet and habits using the Random Forest algorithm
- Provided accurate predictions and actionable insights to promote healthier lifestyle choices

### SPEECH EMOTION DETECTION (MACHINE LEARNING)

Feb 2024

- Built a system using the K-Nearest Neighbors (KNN) algorithm to analyze audio recordings and detect emotional states
- Enabled accurate emotion prediction from user-uploaded speech data for real-time feedback and analysis

### DISNEY STORIES WEBSITE (MERN STACK, CSS)

Nov 2023

- Created a responsive web application for reading Disney cartoon stories with an engaging and user-friendly interface
- Integrated features like a pie chart for analytics, a feedback form, and a data table for organized content presentation

## CERTIFICATIONS

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- Certificate of merit regarding Foundations of Modern Machine Learning (FMML) from IIIT-H
- Certificate of Explore visual tools for machine learning from Microsoft Azure AI fundamentals.
- AWS academy machine learning from Eduskills.
- SQL certificate from iNeuron.
- Python certificate from Infosys springboard.

## ACHIEVEMENTS

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- Lead a team of 8, 4 Junior Developers and 4 Senior Developers at KHUB (IIIT-H Hub)
- Student Mentor for a class of 90 Juniors in Machine Learning