

Kata Ramya

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Summary — Enthusiastic and detail-oriented aspiring Software Developer with a strong foundation in Python, SQL, HTML, CSS, and JavaScript, along with basic knowledge of React. Passionate about building efficient and scalable applications while continuously expanding technical expertise.

Skills

Languages: Python, Core Java

Database: SQL

Web Technologies: HTML, CSS, JavaScript, React (Basics)

Tools: Git, MS Word, MS Excel

Internship Experience

AWS Data Engineering Intern

Nov 2023 – Jan 2024

EduSkills (Remote)

- Learned core AWS services including S3, EC2, and Lambda.
- Gained hands-on exposure to basic data pipelines and ETL processes.

Cyber Security Intern

Jun 2023 – Aug 2023

ExcelR (Remote)

- Acquired foundational knowledge of ethical hacking, network security, and system hardening.
- Explored essential cybersecurity tools and practices through practical tasks.

Education

Narasaraopet Engineering College

2021 – 2025

Bachelor of Technology in Computer Science Engineering

CGPA: 8.8

Narayana Junior College

2019 – 2021

Intermediate (MPC)

Percentage: 93.5

Projects

Forest Fire and Smoke Detection using Deep Learning

- Developed a CNN-based detection system using transfer learning with VGG16, InceptionV3, and Xception.
- Created and labeled a dataset for classifying fire, smoke, and non-fire scenarios to improve model accuracy.
- Achieved high detection accuracy and efficiency by fine-tuning pre-trained models.

Hand Gesture Recognition System

- Built a gesture detection system using computer vision and machine learning for gestures like ‘Hello’ and ‘Thumbs Up’.
- Implemented real-time feedback with OpenCV and MediaPipe for visual overlays during gesture recognition.
- Enhanced interaction by adding intuitive gestures with immediate visual responses.

Hangman Game

- Developed a browser-based Hangman game with interactive UI and multiple difficulty levels.
- Used JavaScript to handle game logic and provide real-time feedback to players.
- Incorporated dynamic word selection to ensure replayability and user engagement.

Mirchi Products – React.js E-commerce Website

- Developed a simple e-commerce site for “Mirchi Products” to strengthen React fundamentals, routing, and component-based UI development.
- Built a fully responsive front-end ensuring smooth performance across devices.
- Utilized React.js, React Router DOM, HTML, and CSS for development, and deployed the project on Vercel.

Certifications

Google Cloud Computing Foundation - NPTEL

Data Analytics with Python - NPTEL

Machine Learning with Python - IBM

Sql-Hacker Rank

Core Java-Hacker Rank

Achievements & Activities

- Won 1st Prize in Essay Writing on “Women Employment”
- Certified as volunteer for NSS from JNTUK Kakinada University
- Participated in workshops (CRT, Seminars, Tech Events)
- Team Lead in various projects in during my education having demonstrating leadership, collaboration, problem-solving skills, adaptability, communication, time management, detail-orientation, ethical practices, and a passion for success.

Hobbies

- Gardening
- Photography
- Reading Storybooks

Personal Details

Date of Birth: 29-01-2004
Gender: Female
Nationality: Indian
Languages Known: Telugu and English
Marital Status: Single