

# Sandeep Dara

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## Education

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### K L University

Bachelor of Technology in Computer Science (GPA: 9.15 / 10.00)

Expected May 2025  
Vijayawada, Andhra Pradesh

## Experience

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### CodeClause

Machine learning Intern

- Developed a house price prediction model with multiple regression, increasing accuracy by 15%.
- Led the development of a gold pricing model using time series analysis, identifying key trends and addressing three main risk factors in commodity trading.

### Bharat Intern

Web Developer, Full Stack Web Developer, Machine Learning Intern

- Developed a temperature converter and portfolio site, attracting 1,500+ visitors in the first month.
- Spearheaded the development of a MERN stack-based content management tool, boosting content handling efficiency by 40%.
- Engineered machine learning models for house price prediction and iris classification, achieving over 90% accuracy.

## Projects

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### STOCK PORTFOLIO APPLICATION | MERN Stack (React JS, Node JS, Express JS, MongoDB)

[LINK](#)

- Investors lack a centralized platform for **real-time stock tracking** and **portfolio analysis**, leading to uninformed investment decisions.
- Developed a **stock portfolio app** leveraging **FinHub API** for real-time stock updates and performance tracking.
- Enhanced portfolio tracking efficiency by **40%**, improving user engagement through interactive data visualizations.

### ENTERPRISE RESOURCE PLANNING (ERP) SYSTEM | Python, Django, MySQL, HTML, CSS

[LINK](#)

- Manual college administration led to **data redundancy**, **slow processing**, and **inefficient workflows**.
- Built a **Django-based ERP system** automating **student enrollment**, **faculty management**, and **academic operations**.
- Optimized database queries, improving data retrieval speed by **30%** and reducing administrative workload by **50%**.

### HOTEL MANAGEMENT SYSTEM | Java, Spring, MySQL, HTML, CSS

[LINK](#)

- Manual hotel operations caused **delays in room bookings**, inefficient check-in/check-out processes, and data mismanagement.
- Developed a **hotel management system** with **Spring Boot**, **MySQL**, and **Spring Data JPA** for secure, efficient data handling.
- Automated **70% of manual tasks**, improving booking efficiency and operational productivity by **40%**.

## Skills

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**Web Development and Frameworks:** HTML, CSS, React JS, Node.js, Express JS, Flask, Spring Boot, Django

**Databases:** MongoDB, MySQL

**Programming Languages:** C, Java, Python, JavaScript

**Technologies:** Machine Learning, Selenium Testing, AWS, Git

**Core Skills:** Data Structures and Algorithms

## Certifications and Recreational Interests

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**Certifications:** AWS Certified Cloud Practitioner, RedHat Certified Application Developer, Salesforce Certified AI Associate

**Recreational Interests:** Playing Chess, Video gaming, Cooking, Watching Movies and Anime