

# KANCHARLA SRINADH

Kavali, Nellore, Andhra Pradesh

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GitHub \* — LinkedIn \*

## Professional Summary

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Artificial Intelligence and Data Science undergraduate with strong expertise in Machine Learning, Deep Learning, Computer Vision, and Data Engineering. Experienced in building scalable full-stack applications and real-time AI systems using Python, SQL, and cloud technologies (AWS). Passionate about solving real-world problems through data-driven solutions and optimizing system performance.

## Education

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### KL University

Guntur

*B.Tech in Artificial Intelligence and Data Science (Hons. with Research)*

*July 2023 – May 2027*

- GPA: 9.45/10

### Krishna Chaitanya Jr College

Nellore

*Board of Intermediate Education*

*July 2021 – May 2023*

- Marks: 958/1000

### AP Model School

Otturu

*Secondary School Certificate*

*June 2020 - May 2021*

- GPA: 10/10

## Experience

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### Data Engineering Virtual Intern – AWS Academy)

- Completed a 10-week Data Engineering Virtual Internship focused on scalable data solutions using AWS. Gained hands-on experience in building data pipelines, performing ETL processes, and working with cloud storage systems, along with a strong understanding of big data workflows and data optimization techniques.

## Projects

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### Full-Stack Fitness Tracker Application

- Engineered a scalable full-stack fitness tracking platform using microservices architecture, enabling real-time health analytics and personalized recommendations. Integrated Spring Boot, Node.js, and SQL databases to support high concurrency, leveraging asynchronous communication, REST APIs, and modular design for performance, scalability, and maintainability.

### Multi-Class Animal Detection

- Developed a full-stack animal detection system using YOLOv5, CNNs, Node.js/Spring Boot, and React, achieving 92% accuracy in real-time classification. Integrated deep learning models with REST APIs and optimized performance using asynchronous processing, delivering the top-performing model in the team.

### Smart Parking System

- Built an IoT-based Smart Parking System using ESP32, C++, and sensors, enabling real-time slot detection and managing 500+ weekly transactions. Improved user experience through a feedback-driven optimization system and efficient real-time data processing.

## Technical Skills

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**Programming:** Python, C, C++, JavaScript, SQL

**Frameworks:** React.js, Node.js, Spring Boot, HTML, CSS

**Data Science:** Machine Learning, Deep Learning, Computer Vision, Data Analysis

**Tools:** Git, GitHub, VS Code, PyCharm, Tableau, Power BI

**Databases:** MySQL, PostgreSQL

**Cloud:** AWS (ETL Pipelines, Data Engineering)

## Certifications

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- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional
- Multicloud Network Associate
- Linguaskill