

# SANTOSH R

AI & Data Science Engineer

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[LinkedIn](#) | [GitHub](#) | [LeetCode](#) | [Portfolio](#)

Results-driven **AI & Data Science** enthusiast with expertise in **automation**, IoT, and **machine learning**. Experienced in developing **Python** applications with **React.JS** frontends and implementing **LLM-based solutions**. Proven ability to create **data pipelines** and apply **prompt engineering** techniques for real-world applications. Strong background in **Data Structures**, **Algorithms** and **Object-Oriented Programming**. Seeking an AI Engineering Intern position to contribute to GenAI product development while expanding skills in collaborative tech environments.

## PROFESSIONAL EXPERIENCE

### Artificial Intelligence Intern

NoviTech Pvt Ltd

- Worked on real-time **AI-driven automation solutions** for industrial applications
- Applied **TensorFlow and PyTorch** for optimizing AI-based decision-making models
- Collaborated with cross-functional teams to implement **machine learning** solutions

### Data Science Intern

AcmeGrade Pvt Ltd

- Acquired knowledge in **data analytics**, **machine learning**, and statistical modeling
- Developed and deployed **ML models** for business intelligence applications
- Created **data pipelines** for efficient data processing and analysis

## PROJECTS

### Text-to-Image Generation with LLMs | [GitHub Link](#)

2023

- Created an AI model for generating high-quality images from textual descriptions using **Large Language Models**
- Implemented **Python backend** with **API integration** for efficient text-to-image transformation
- Designed interactive user interface using **React.JS** for frontend visualization
- Applied **prompt engineering** techniques to enhance image generation quality
- Tech Stack: Python, TensorFlow, LLM APIs, React.JS, Node.js

### AI-Powered Epilepsy Detection System | [GitHub Link](#) |

2024 - Present

- Developing a **machine learning model** for real-time epilepsy monitoring and detection
- Creating **data preprocessing pipelines** for medical data analysis and feature extraction
- Implementing **API endpoints** for integration with monitoring devices
- Aims to improve diagnostic accuracy by 15% in healthcare applications
- Tech Stack: Python, TensorFlow, Scikit-learn, Flask, React.JS

2024

- Developed an **automated bot** for LinkedIn networking and profile optimization
- Implemented **web scraping** and **automated interactions** using Selenium
- Created scheduling algorithms for natural interaction patterns to avoid detection
- Built dashboard for tracking networking metrics and connection analytics
- Tech Stack: Python, Selenium, BeautifulSoup, Pandas, Flask

Other Projects | [GitHub Link](#)

TECHNICAL SKILLS

Programming Languages

Python, SQL, Java, JavaScript Basics, C++,C Basics

Backend & APIs

Flask, Node.js Basics.

Machine Learning

Scikit-learn, TensorFlow, PyTorch, NLP

Database Management

MySQL, MongoDB, DBMS

Computer Science Fundamentals

Data Structures, Algorithms, OOP.

Frontend Development

React.JS, HTML, CSS, JavaScript

Data Analysis & Visualization

Pandas, NumPy, Matplotlib, Seaborn, Plotly

AI Technologies

LLMs, GenAI, Prompt Engineering

Tools & Version Control

Git, GitHub, LabVIEW, Postman.

EDUCATION

V.S.B Engineering College, Karur

Oct 2022 - May 2026

B.Tech in Artificial Intelligence and Data Science (currently 3rd year)

CGPA: 8.6/10

Relevant coursework: Data Science, Machine Learning, NLP, AI Fundamentals, Data Structures & Algorithms

ACHIEVEMENTS & CERTIFICATIONS

- Shortlisted in top 25 teams at **MSME National Competition** – "Digital Approach to Calculate Water FootPrint"
- 1st & 2nd Prize – **AI-Powered Seizure Detection & Sustainable Fashion AI Solutions** (Kongu Engineering College)
- Completed Training on **LABView Tool & Its Applications** (PSG Engineering College)
- Certifications in **Prompt Engineering, GenAI, AI and Machine Learning, Data Science**
- Participant in **Hackathons / Coding Competitions** with focus on retail and e-commerce solutions

SOFT SKILLS

Problem-Solving

Ability to develop AI-driven solutions for real-world challenges

Leadership & Teamwork

Representative of AI & Data Science at college

Analytical Thinking

Expertise in analyzing data and optimizing machine learning models

Communication

Experience in presenting AI research and hackathon projects

## LANGUAGES

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- **English** (Fluent)
- **Tamil** (Fluent)
- **Telugu** (Fluent)
- **Hindi** (Fluent)