SANTOSH R

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LinkedIn | GitHub | LeetCode | Portfolio

ABOUT

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**.

EXPERIENCE

Artificial Intelligence Intern, *NoviTech Pvt Ltd*   *2023*

- 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*

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*

LinkedIn Bot | GitHub Link   *2025*

- 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

SKILLS

Programming Languages: Python, SQL, Java, JavaScript Basics, C++, C Basics

Frontend Development: React.JS, HTML, CSS, JavaScript

Backend & APIs: Flask, Node.js Basics

Data Analysis & Visualization: Pandas, **NumPy**, Matplotlib, Seaborn, Plotly

Machine Learning: Scikit-learn,**TensorFlow**, **PyTorch**,**NLP**

AI Technologies: LLMs, **GenAI**, **Prompt Engineering**

Database Management: MySQL, MongoDB, DBMS

Tools & Version Control: Git, GitHub, LabVIEW, Postman

EDUCATION

V.S.B Engineering College, Karur
B.Tech in **Artificial Intelligence and Data Science** (currently 3rd year)   *Oct 2022 - May 2026*
CGPA: 8.6/10

ACHIEVEMENTS

- 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)

CERTIFICATION

- Certifications in **Prompt Engineering**, **GenAI**, **AI and Machine Learning**, **Data Science**
- Participant in **Hackathons / Coding Competitions** with focus on Sustainable and Autonmous solutions

LANGUAGES

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