

Shakthi RL

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☎ 916369255689 📁 Portfolio in LinkedIn 🐙 Github

OBJECTIVE

A highly motivated Artificial Intelligence and Data Science graduate with a strong foundation in software development, machine learning, and data-driven systems. Passionate about building scalable, efficient solutions using modern programming paradigms and AI methodologies to solve real-world problems and accelerate innovation in technology-driven environments.

EDUCATION

Sri Chaithanya International School

Higher Secondary Education

June 2021 - June 2022

- Percentage: 80/100

Saveetha School of Engineering

B.Tech in Artificial Intelligence and Data Science

June 2022 - July 2026

- GPA: 8.4/10

SKILLS

- Programming Languages: Python, Java, MySQL.
- Core Competencies: Data Structures and Algorithms, cloud computing, operating system.
- Machine Learning and AI: Machine Learning, Deep Learning, Data Science, Natural language processing.
- Soft Skills: Communication, Problem-Solving, Leadership, Adaptability, Teamwork.
- Other Skills: Research, Project Management.

INTERNSHIPS

Artificial Intelligence

Skill Vertex

June 2005 – Aug 2007

Developed AI-driven systems that learn from data and make autonomous decisions, optimizing automation and operational intelligence.

Machine Learning

Bharath Intern

June 2003 – Aug 2003

Applied Machine Learning to identify complex patterns and enable continuous model improvement in domains such as NLP and computer vision.

PROJECTS

Still Birth Prediction Using XGBoost

13th Mar 2024

Built an XGBoost-based model for predicting stillbirth risk from maternal health data, achieving high accuracy through data preprocessing and hyperparameter tuning.

Rice Leaf Disease Prediction using CNN-Based Architecture

25th Oct 2024

Developed a CNN-based model using fine-tuned ResNet-18 for early detection of SLETH Blind and Brown Spot rice leaf diseases, enabling timely intervention and promoting sustainable agriculture.

AI-Based Network Intrusion Detection System

2025

Developed an AI-powered Network Intrusion Detection System using machine learning to detect anomalies in real time, strengthening cybersecurity through proactive threat mitigation.

Gravitational Wave Detection using LightGBM Algorithm

21st june 2025

Implemented a LightGBM-based model for gravitational wave detection, enabling high-accuracy signal classification and improving astrophysical event identification.

CERTIFICATIONS

- Quantum Computing from coursera.
- Third Regional Conclave of Students Chapters (South Region)
- Data Structure and Algorithm from Great Learning.
- Project idea pallet from SRM institute.
- Cognizant - Artificial Intelligence Job simulation from Forage.
- AWS – Introduction to Machine Learning.
- Object Oriented Programming from Udemy.
- Belkasoft – Android Forensics with Belkasoft.
- Ethical Hacking from Great Learning.
- National Conference on Sustainable development.
- Workshop on AI and Environmental Sustainability.

HACKATHON

Smart Indian Hackathon(SIH)'24

LEADERSHIP ROLES

- CoOrdinator of Inter college event, WHIMZIAL'24.
- Head Girl in High School.
- Co-Ordinator of college event, TETRIX'23

LANGUAGES KNOWN

English, Tamil