

VIJIN AJAI V

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Professional Summary

Computer Science undergraduate with hands-on expertise in Python, Machine Learning, and Deep Learning, experienced in building AI powered intelligent systems with internship exposure in ML, Data Science, and AI Analytics. Delivered impactful solutions across healthcare, finance, and IoT domains with a strong focus on model optimization and real-world problem solving.

Education

Bachelor of Technology in Computer Science, SRM University Trichy (*Pursuing*)
CGPA: 8.0 / 10.00

Sept 2023 - May 2027

Higher Secondary in The Rajas International School.
Percentage: 67%

May 2023

Projects

Ai-Powered Personal Finance Tracker: Enhancing Financial Decision Making With AI and Gamification

- Created an intelligent finance management system leveraging AI-driven insights for personalized budgeting, savings recommendations, and expense tracking, with a model accuracy of 97.00%.
- Integrated gamification techniques to improve user engagement and encourage consistent financial discipline.

UniTutor: An AI-Powered Academic Assistance and University Management Platform

- Developed a scalable AI-driven university management platform that enables secure multi-university access for students, faculty, and administrators. Implemented role-based authentication, academic schedule management, and an intelligent chatbot capable of answering academic and general queries using NLP techniques.
- Built using FastAPI, PostgreSQL, JWT authentication, and modern web technologies to provide real-time academic assistance and centralized institutional management.

Rural Health AI – Multilingual Symptom Triage Assistant

- An intelligent, full-stack healthcare assistant designed specifically for rural users. It accepts symptoms in text or voice (in multiple Indian languages), analyzes them using Groq's LLaMA 3 model, provides triage results and severity assessment, suggests appropriate actions, and displays nearby healthcare centers.
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Internships

Machine Learning & Data Science Intern

Apr 2025 - May 2025

- Applied machine learning techniques for classification and prediction tasks, focusing on data preprocessing, feature engineering, and model optimization.
- Conducted exploratory data analysis and evaluated models using accuracy, precision, and recall to derive actionable insights from real-world datasets.

AICTE – Artificial Intelligence & Data Analytics

Oct 2025 - Dec 2025

- Accomplished a virtual internship on Artificial Intelligence and Data Analytics, gained skills in data analytics, AI insights, and sustainable practices.
 - Developed a Water Quality Prediction model using machine learning for pollutant data analysis with a focus on sustainability with real world testing for a clean environment.
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Skills

Technical Skills: Python, C, C++, HTML, JavaScript, SQL, NLP, MongoDB.

Certifications: Python for Data Science & AI Development Professional Certification from Coursera, Foundations of Cybersecurity Professional Certificate from Coursera, Getting Started with AI Certification from NVIDIA.

Languages

English, Tamil