

Sadhana Jagan

9043293403

github.com/sadhana-jagan sadhanajagan2004@gmail.com linkedin/sadhanajagan		
Education	<p>SASTRA Deemed University, Thanjavur B.Tech Computer science and engineering CGPA: 9.33/10</p> <p>P.S.B.B Senior Secondary School, Chennai 12th Grade Board percentage: 97.2 10th Grade Board percentage: 96</p>	October 2022-May 2026
Experience	<p>DAKSH Hackathon AI Hackathon – Judiciary link <i>Python</i></p> <p>Designed and developed an AI-powered legal assistance app using OpenAI embeddings and RAG for case retrieval, document simplification, error detection, and court-ready formatting.</p>	7 March 2025 – 9 March 2025
	<p>Drug Repurposing for COVID-19 link <i>Python</i></p> <p>Implemented a machine learning framework for COVID-19 drug repurposing with graph auto-encoders, clustering, and SHAP-based XAI for interpretable candidate discovery.</p>	February 2025 – Present
	<p>Employee Management System link <i>Angular, Springboot, SQL</i></p> <p>Designed, developed a full-stack Employee Management System using Angular, Spring Boot, and MySQL with RESTful APIs and optimized CRUD operations.</p>	7 September 2024 – 9 September 2024
Technical Skills	C, C++, Python, SQL, Javascript, Java React, Angular	
Awards	Won the 1st prize at DAKSH AI Hackathon 2025. Designed an end-end legal assistance app	
Leadership	Part of DAKSH School of Computing club. Develop fun and interactive games, tech events and hackathons	
Certifications	<p>1. Unsupervised Learning, Recommenders, Reinforcement Learning</p> <p>2. Advanced Learning Algorithms</p> <p>3. Supervised Machine Learning: Regression and Classification</p>	