

GANESH KUMAR T

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Objective

I'm a Machine Learning Engineering student with expertise in ML algorithms, data analysis, and AI applications. Proficient in Python, TensorFlow, Git, and Jupyter Notebooks, I'm passionate about using data-driven solutions to solve complex problems and create impactful ML systems.

Education

Saveetha Engineering College (2024-2028)

- ❖ B.TECH in Artificial Intelligence and Machine Learning
- ❖ GPA: 8.0

Velammal Vidyalaya Poonamallee(2020-2024)

SSLC: 90.2 %, HSLC: 87.4 %
Distinction in Academics

Skills

Technical Skills

- Programming Languages: Python, C, Java
- Development Tools: Git, VS Code
- Data Tools: Pandas, NumPy, Scikit-learn, Plotting Techniques
- ML Frameworks: PyTorch, Keras
- AI/ML Skills: Supervised/Unsupervised Learning, Regression, Classification, Neural Networks
- Math/Stats: Linear Algebra, Probability, Statistics
- Web Development: HTML, CSS, JavaScript

Non-Technical Skills

- Communication and Collaboration
- Leadership and Team Management
- Problem-Solving
- Time Management and Organization

Projects

SAHAAY-AI

- AI-powered mental wellness companion offering daily emotional check-ins, mood analytics, and personalized coping recommendations.

OPSPILOT-FED

- AI-powered automation system for patch risk analysis, alert management, and operator-grade task execution with real-time validation and dashboards.

LUNAR TERRAIN RECONSTRUCTION AND VISUALIZATION SYSTEM

- High-resolution 3D lunar terrain reconstruction and hazard analysis system that generates mesh models and safety zones from a single 2D image input (ongoing).

PHARMA INSIGHTS

- AI-powered pharmaceutical research and drug discovery platform that queries molecules and diseases, aggregates biomedical data, integrates internal knowledge, and generates actionable insights and reports.

Achievements

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| • NXTWAVE X OPEN AI BUILDATHON FINALIST (Ongoing) | 2025 |
| • VOID V1: VIT Chennai 3rd Place | 2025 |
| • INTEL AI HACKATHON WINNERS | 2025 |

Certifications

- Oracle Java SE21 Developer Professional Certification - Oracle
- Completed 5-Day Gen AI Intensive - Kaggle
- Java Programming for Beginners - Badge - Coursera
- YBI foundation Python Programming
- Prompt Design in Vertex AI - Google

