

TANMAY SURTE

AI Explorer

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EDUCATION

Terna Engineering College

- Bachelor of Engineering (B.E.) in Artificial Intelligence & Data Science
- Volunteered in GDSC,AVALON(Technical Team),REVIVE TERNA(Social Media). Anticipated Graduation: 2027

CERTIFICATIONS & SKILLS

- Programming: Python, Git, REST APIs, Docker,HTML,CSS,JavaScript,Back-End Web development,OOP
- Machine Learning: Supervised & Unsupervised Learning, Model Evaluation,scikit-learn,XGBoost,model evaluation, feature engineering
- Deep Learning: Neural Networks, CNNs, RNNs & LSTMs, Pytorch, TensorFlow.
- AI & Automation: AI Automation, RAG Agents, Workflow Automation, n8n, Zapier & Hugging Face,Agent Orchestration
- LLM Engineering: Prompt Engineering, Fine-tuning, API Integration, Vector Databases,OPEN A.I API.
- Agentic AI: Agentic AI, Autonomous Agents, Multi-agent Systems, Task Decomposition, Planning, Goal oriented AI, Tool Use, Memory Management, Reflection, Self-improving Agents, Prompt Chaining, Agent Frameworks (LangChain, AutoGen), Decision Making, Reasoning, Environment Interaction, Feedback Loops, Workflow Automation.

PROJECTS

Artificial Intelligence Projects

- Built an automation/agent that triaged Gmail, updated Google Sheets, and scheduled Calendar events using Python, Google APIs, and an LLM; reduced manual effort by 70% and handled 60 tasks/day.
- Implemented a classification/regression/clustering pipeline with scikit-learn; improved F1-score by 18% after feature engineering and randomized hyper-parameter search.
- Orchestrated a low-code workflow in n8n integrating Gmail, Sheets, and Calendar; created three automations that saved 4 hours/week in manual updates and scheduling.
- Multi-agent system for automated game testing and analysis using Python, LangChain, and DeepSeek API integration.
- Supervised & Unsupervised Learning, Model Evaluation,scikit-learn,XGBoost,model evaluation, feature engineering