

Aditya Sasidhar

New Delhi | +91 74285 64847 | telikicherlaadityasasidhar@gmail.com

[LinkedIn](#) | [GitHub](#)

EDUCATION

Vellore Institute of Technology 2023– Present

Bachelor of Technology in Computer Science (specialisation in Artificial Intelligence and Machine Learning)
Current GPA: 8.04/10

EXPERIENCE & PROJECTS

The Red Users – Cybersecurity Intern | Feb 2025 – Mar 2025

- Implemented network and web security measures, identified SAP vulnerabilities, and analyzed traffic with Wireshark to detect and mitigate threats, learnt about potential threats and gained valuable insights.

SafeSurf Junior – MP Police Cyber Safety Awareness Hackathon (3rd Place) | 2024 – 2025

- Developed an AI based browser extension to filter harmful content for children, reducing exposure by ~90%, and implemented an automated alert portal to notify law enforcement of potential legal violations.

TrojaNix - IIT Madras Malware Analysis Hackathon (Finalist) | 2023 – 2024

- Trained ML and DL models for malware classification, achieving ~98% detection accuracy.
- Analyzed large malware datasets, refining features for improved precision and employing unsupervised methods for data enrichment.

International Robotics Competition (Group Leader) | 2016 – 2018

- Led a five-member team to design and build competitive robotics models, placing in the top 10 out of 150+ teams. Coordinated tasks and timelines, ensuring on-time project completion for international events.

CORE SKILLS

- Programming Languages: Python, C, C++, Java, HTML, CSS, Javascript, MATLAB
- Machine Learning & Data Science: Scikit-learn, Logistic Regression, SVM, Random Forest, Gradient Boosting, XGBoost, LightGBM, K-Means, DBSCAN, PCA, t-SNE, Decision Trees, Naïve Bayes, KNN, Lasso, Ridge, SVR, Hyperparameter Tuning, Cross-Validation, Model Evaluation, Feature Engineering, Dimensionality Reduction
- Deep Learning & Generative AI: TensorFlow, Keras, Pytorch, Transformers, Hugging Face, LSTMs, GRUs, CNNs, Diffusion Models, BERT, GPT, Stable Diffusion, LoRA, Attention Mechanisms, Transfer Learning, Model Fine-Tuning, Tokenization, Prompt Engineering, Generative AI, Gemini API
- Data Analysis & Visualization: NumPy, Pandas, Matplotlib, Seaborn, SciPy, Plotly
- Cybersecurity: hashlib, pefile, Wireshark, Basic Pen-testing, Computer Networks
- Soft Skills: Time Management, Technical Communication, Analytical Thinking, Team Leadership, Curiosity

AWARDS & ACHIEVEMENTS

- 3rd Place: MP Police Cyber Safety Awareness Hackathon (2025)
- Finalist: IIT Madras Malware Analysis Hackathon (2025)
- Top 10: International Robotics Competition (2018)
- Achieved notable outcomes in multiple inter-university competitions.
- Top 10 percent Finisher in 90%+ of Hackathons Participated