

SAKSHI

Dwarka Sec-15, New Delhi | +91 8459767400 | sakshibhagasara172@gmail.com
www.linkedin.com/in/sakshi-653626259 | https://github.com/sakshi-172

SUMMARY

BTech student in Information Technology with hands-on experience in AI/ML, data analysis, and web technologies. Experienced in building deep learning models and web applications. Quick learner with strong problem-solving abilities, eager to learn and contribute to innovative Tech solutions using emerging technologies like Python and AI/ML.

WORK EXPERIENCE

Summer Intern - Scientific Analysis Group (SAG), DRDO, New Delhi June 2025 - Present

- Implemented Neural Cleanse paper: backdoor detection, perturbation masks, anomaly scoring.
- Gaining hands-on exposure in AI security, reverse engineering, and adversarial ML.

Summer Intern - Scientific Analysis Group (SAG), DRDO, New Delhi June 2024 - July 2024

- Built a deep learning-based differential distinguisher for the PRESENT cipher using neural networks.
- Explored AI/ML in cryptography despite being new to the field; quickly upskilled through research and mentorship.

PROJECTS

Credit Card Fraud Detection – ML Model Comparison

Tech Stack: Python, Scikit-learn, XGBoost, PyTorch TabNet, SHAP

- Built ML/DL models (XGBoost, TabNet, Random Forest) for fraud detection on imbalanced data.
- Applied SHAP model explainability and evaluated models on AUC, F1, Accuracy and Precision.

DL-Based Distinguisher for Cipher PRESENT – DRDO Internship

Tech Stack: Python, TensorFlow, Keras, CNN

- Developed CNN model to distinguish PRESENT cipher outputs from random data.
- Applied differential cryptanalysis with AI; achieved higher accuracy than traditional methods.

Personalized Portfolio Website

Tech Stack: HTML, CSS, JS, Bootstrap, AOS

- Built responsive portfolio featuring dark mode, blog, and resume download.
- Integrated Font Awesome, AOS animations, and clean multi-page layout to showcase skills/projects.

EDUCATION

Bachelor of Technology in Information Technology

Nov 2022 - June 2026

Maharaja Surajmal Institute of Technology, New Delhi

- CGPA: 8.68

Class 12th (CBSE Board)

2020 - 2021

Kamal Model Sr. Sec. School, New Delhi

- Percentage: 90.6% | Student Council Member

Class 10th (CBSE Board)

2018 - 2019

Kamal Model Sr. Sec. School, New Delhi

- Percentage: 94.4%

ADDITIONAL INFORMATION

- **Technical Skills:** C++, DSA, HTML, CSS, JavaScript
- **Soft Skills:** Problem Solving • Team Collaboration • Critical Thinking • Communication • Leadership
- **Extra-Curricular Activities:** Active member of ECELL MSIT, IIC MSIT - Engaged in Technical events and Hackathons.
- **Tools:** Github, VS Code, Google Colab Notebook, Jupyter Notebook
- **Concepts:** OOP, MySQL, DBMS, OS