

SHIVAM AGGARWAL

241 Rajiv Colony, Mukerian, Punjab 144211 · (+91) 9855765665 · shivamaggarwal10b@gmail.com

- [linkedin.com/in/shivamagg2764/](https://www.linkedin.com/in/shivamagg2764/)

EDUCATION

THAPAR INSTITUTE OF ENGINEERING & TECHNOLOGY, PATIALA, PUNJAB Cumulative GPA: 8.95

Bachelor of Engineering in Computer Science, Sep 2021 – July 2025

Relevant Coursework : OS, DBMS, Data Structures & Algo, Computer Network and Security(Elective)

DASMESH PUBLIC SCHOOL, MUKERIAN, PUNJAB

CBSE Senior Secondary School - Class 12th , Aug 2021 – School Topper Percentage: 97.4

CBSE High School - Class 10th , July 2019 – Third Position Percentage: 96.6

PROJECT EXPERIENCE

PHISHING AND SUSPICIOUS WEBSITE SENSING: Aug 2023 – Nov 2023

Cyber Security Principles & Machine Learning

- Engineered machine learning models for predicting phishing websites by leveraging a comprehensive dataset with both phishing and legitimate URLs.
- Extracted crucial features from URL and website content to enhance model accuracy in distinguishing between phishing and legitimate web entities.
- Systematically compared and evaluated the performance levels of each model, contributing to the development of robust solutions for internet security.
- Technological Stacks: Python ; Models used: Logistic Regression, KNN, Random forest, XGBoost Classifier

PRECISION FLOOD INUNDATION FORECAST VIA SPATIAL DATA INTEGRATION: Oct 2023 – Present

AI-ML based GIS(Google Earth Engine) web portal at Smart India Hackathon 2023

- Addressed critical flood management challenges for Indian states by assessing spatial extent using 2D interpolation of past imageries using AI-ML models.
- Integrating water gauge data and historical imagery fetched by Google Earth Engine(open source GIS) for precise flood mapping and efficient rescue operations.
- Projection of the extent of inundation corresponding to the forecasts of flood level in a river using Technological Stacks: Geographic Information System(Google Earth Engine), Python, Geopandas, HTML, CSS, JavaScript.

LEADERSHIP

PARYAVARAN WELFARE SOCIETY: TIET, Patiala, Punjab Aug 2021 – Present

Discipline & Motivation In-charge

- Fostering a motivated and dedicated team by developing initiatives and programs that enhanced morale to maintain biodiversity and energy resources.
- Focus on the significations related to environmental and social degradation.

LEAD TECH SOCIETY: TIET, Patiala, Punjab Jun 2022 – Present

Core Member

- Actively contributing to the planning and execution of various technology-centric initiatives within the organization.
- Ensure effective collaboration with fellow Core members to drive innovative projects, foster a collaborative environment within the Society.

SKILLS AND INTERESTS

- Proficient in C++, C, Python, Computer and Network Security, Data Structure and Algorithms, Cloud Computing in Amazon Web Services.
- Soft Skills: Collaboration, leadership and active learning.