HARSH KHARWAR

kharwarharsh1204@gmail.com linkedin Github

PROFESSIONAL SUMMARY

I am a dedicated and ambitious second-year student specializing in Computer Science. With a strong commitment to high-quality work and a passion for continuous learning, I am eager to join a dynamic team where I can make significant contributions and grow professionally. I excel in managing time effectively and have a keen eye for detail, thrivingin challenging environments that encourage innovation and collaboration. I am ready to leverage my skills and enthusiasm to drive impactful results and contribute to the team's success.

EDUCATION

BTech in CSE, Symbiosis Institute of Technology, Pune **2022-2026**
CGPA: 7.38/10

High School Bhagwan Mahavir School **2020-2022**
12th CBSE Marks: 8.6/10

SKILLS

Programming Language	Python, C, Java, C++
Data Visualization	Matplotlib, Seaborn, PowerBI, Tableu
DBMS	MYSQL
Machine Learning and Deep Learning	Scikit Learn, TensorFlow
Development	JavaScript, Node, React

PROJECTS

RESEARCH PROJECT (February 24-May 24)

(Gradient Boosting Machine (GBM) — XGBoost — CatBoost —Random Forest — LightGBM)

We submitted a paper titled "Integrative Ensemble Learning for Malware Detection," which focuses on using AI methods to identify malware families with ensemble learning models such as GBM, XGBoost, CatBoost, Random Forest, and LightGBM. The research aims to enhance malware detection and classification to identify potential cybersecurity risks through the use of ensemble learning. Our study utilizes the Microsoft Malware Classification Challenge 2015 dataset, which presents data in hexadecimal format. We employed GRIDSEARCHCV to find optimal parameter values and addressed challenges such as handling multiple datasets, feature encoding, and dynamic-based features from malware samples. Our findings indicate that ensemble methods, which combine predictions from various models, prevent overfitting and improve reliability, offering an advantage over traditional machine learning methods.

EVENT MANAGEMENT SYSTEM (April 24- April 24)

Developed an Event Management System using Java, NetBeans IDE, and MySQL to streamline event organization and participation. The system's features include the ability to add and remove events, view detailed event information, and register for events efficiently. Designed three distinct dashboards to cater to different user roles: Admins can manage all aspects of events, Students can view and register for events, and Volunteers can assist with event organization and management.

VEHICLE RENTAL SYSTEM (October 23- October 23)

Developed a Vehicle Rental System using C++ for renting cars, motorcycles, and trucks, calculating rental fees based on duration and quantity. Users can select vehicles, specify quantities and rental durations, and view a detailed summary including types, models, rates, and total fees. Program Structure includes a base Vehicle class with derived classes for specific vehicle types, using a vector for storage and dynamic memory management.

CERTIFICATIONS

SQL (Basic) Certificate, Issued by HACKERRANK

SQL (Intermediate) Certificate, Issued by HACKERRANK

Google Data Analytics, Issued by COURSERA

Google Advanced Data Analytics, Issued by COURSE