

Sarthak Thapliyal

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EDUCATION

Graphic Era Hill University <i>Bachelor of Technology in Computer Science & Engineering (Specialization in AI/ML)</i> • Relevant Coursework: Object-Oriented Programming, Databases, Data Structures and Algorithms, Operating Systems, Computer Networks, Machine Learning	Dehradun, Uttarakhand Aug. 2023 – Present
Army Public School <i>Class XII - 71.6%</i>	Dehradun, Uttarakhand 2022
Army Public School <i>Class X - 83.2%</i>	Dehradun, Uttarakhand 2020

TECHNICAL SKILLS

Programming Languages: Python, C++, Java
Frameworks & Libraries: TensorFlow, Keras, PyTorch, Scikit-learn, Pandas, NumPy, OpenCV, NLTK
Databases: MongoDB, MySQL
Tools & Platforms: Git, OpenAI API, Matplotlib

PROJECTS

AI Chess Bot <i>Python, Chess Engine, Minimax Algorithm</i> • Developed an AI-powered chess engine in Python leveraging the python-chess library for real-time interactive gameplay. • Implemented minimax algorithm with heuristic evaluation functions for intelligent move selection. • Designed state management logic to track gameplay and ensure optimal performance.	2025
Phishing Website & Email Detector <i>Python, NLP, Machine Learning</i> • Built a machine learning-based phishing detection system in Python to identify malicious URLs and fraudulent emails. • Implemented URL feature extraction, email header parsing, and NLP-based content classification. • Achieved improved detection accuracy by applying supervised learning models and feature engineering techniques.	2025

CERTIFICATIONS & CODING PROFILES

Mastering Data Structures & Algorithms using C and C++ <i>Instructor: Abdul Bari (60 hours)</i>	Online
LeetCode: Solved 200+ problems in C++ covering data structures and algorithms.	
Competitive Programming: Active participant in weekly LeetCode contests and CodeForces Div-I/II rounds.	