

Amol Singhal

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Education

Graphic Era Deemed To Be University	Aug. 2023 – Present
Bachelor of Technology in Computer Science and Engineering	CGPA: 8.2
Vidya Global School	2022 – 2023
H.S.C	Percentage: 85
Vidya Global School	2020 – 2021
S.S.C	Percentage: 92.50

Projects

Grypfit - Gym Equipment Business Website — www.gryp.fit	Jan. 2026
<i>HTML, CSS, JavaScript, React, Google Maps API</i>	
<ul style="list-style-type: none">Engineered a high-performance, responsive commercial website for Grypfit (Singhal Industries), increasing digital visibility for a wide range of gym and sports equipment.Developed a scalable product catalog architecture capable of rendering hundreds of items with high-resolution imagery and optimized loading speeds.Integrated the Google Maps API for precise location services and a direct-to-WhatsApp API to streamline customer inquiries and lead generation.Designed a modern, brand-aligned UI/UX with seamless navigation, resulting in improved user engagement and reduced bounce rates.	
Attendance Management System — GitHub	Jan. 2025
<i>HTML, CSS, JavaScript, Python, MySQL</i>	
<ul style="list-style-type: none">Architected a comprehensive web-based platform to automate student attendance tracking, replacing manual paper-based workflows.Implemented a secure Role-Based Access Control (RBAC) system to enforce distinct permissions for Admins, Teachers, and Students.Designed a normalized MySQL database schema to ensure efficient data integrity for thousands of attendance records.Developed an automated reporting engine that aggregates data and generates downloadable monthly reports in CSV/PDF formats for administrative review.	
Phishing Website Detection System	Jul. 2025
<i>Python, Flask, Scikit-learn, Pandas</i>	
<ul style="list-style-type: none">Built a machine learning-powered web application capable of detecting malicious phishing URLs with high accuracy in real-time.Trained a Random Forest classifier on a dataset of over 10,000 legitimate and phishing URLs, achieving an accuracy rate of 95%.Developed a Flask REST API to process user-submitted URLs, extracting lexical features (e.g., URL length, presence of IP address) for prediction.Created an intuitive frontend interface allowing users to scan links instantly and view a detailed safety analysis report.	

Technical Skills

Programming Languages	Python, Java, C/C++, HTML/CSS, JavaScript, React, SQL
CS Fundamentals	Data Structures, Algorithms, DBMS, OOPs
AI/ML/Data Science	Pandas, NumPy, Matplotlib
Database & Cloud	MySQL, Postgres, AWS (Basics)
Tools	Git, GitHub, VS Code, Linux
Soft Skills	Communication, Teamwork, Leadership, Analytical Ability

Certifications

- NPTEL/SWAYAM:** Data Science Using Python (IIT Madras) – ELITE grade
- Google Cloud Skill Badge:** Build a Secure Google Cloud Network
- Getting started with DevOps:** Learned DevOps practices with AWS for secure, faster deployment.