**Madhulika Singh**

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# Career Objective

Highly motivated B.Tech student in Computer Science & Artificial Intelligence with a passion for web development, AI/ML applications, and building impactful tech solutions. Seeking internship opportunities to contribute technical skills, collaborate with industry professionals, and gain real-world experience in software and AI development.

# Education

**B.Tech - Computer Science & Artificial Intelligence**

ABES Institute of Technology, Ghaziabad | 2023 – 2027

**Senior Secondary (XII), CBSE – Science Stream**

Vanasthali Public School, Ghaziabad | 2023 | 80.00%

**Secondary (X), CBSE**

Vanasthali Public School, Ghaziabad | 2021 | 95.60%

# Technical Skills

Languages: Python, Java, C

Web Development: HTML, CSS, Tailwind CSS, Bootstrap, JS

Frameworks & Tools: Git, GitHub

Database: MySQL

Core Concepts: OOP, Data Structures, Basic AI & ML, Cybersecurity

# Certifications

Cyber Security Essentials – Coursera (May 2024 – Present)

Gained foundational knowledge in network security, cryptography, threat analysis, and incident response.

Generative AI for Everyone – Google (2024)

Explored use-cases and business applications of AI tools in real-world scenarios.

# Projects

AI based Cattle Breed Detector (September 2025)

An Ai based project in which the breed of cattle can be identified.

* Image based implementation
* Features: Identity breed, sell and buy animals
* Tech Stack: Html, CSS, JS, Flask, RestNet

Eye Disease Detector (Apr 2025)

An AI-powered web application for early detection of eye diseases.

* Implemented image processing using OpenCV with Flask backend.
* Features: Disease detection from retina images, remote diagnosis, appointment booking.
* Tech Stack: Python, Flask, OpenCV, HTML, CSS

Online Voting System (Jan – Feb 2025)

Built a secure, accessible online voting platform to encourage digital democracy.

* Modules for voter registration, admin panel, and real-time vote casting.
* Tech Stack: HTML, CSS, PHP, MySQL

Car Rental Service App (Jul – Sep 2024)

Developed a console-based car rental management system.

* Features: Vehicle catalog, booking system, cost calculation, availability tracking.
* Tech Stack: Python

HealthTrackM – Health Tracker (Jun – Jul 2024)

Python tool for analyzing blood test parameters to flag health risks.

* Implemented threshold logic for diagnosis; planned for GUI integration.
* Tech Stack: Html, CSS, JS, MySQL

# Hackathons & Achievements

SIH internal hackathon – AI based Cattle Breed Detector

IGNETION Hackathon, Gautam Buddha University –Ai based eye diseases detector

Solutions Challenge – Created an Online Voting System aligned with real-world civic needs

Hacknovate 5.0 – Developed HealthTrackM during a 24-hour coding sprint