Madhulika Singh

Ghaziabad | +91 96430 85816 | smadhulika946@gmail.com
LinkedIn: linkedin.com/in/madhulika-singh-a34b9a28b
GitHub: github.com/madhulika9955

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, PHP
Frameworks & Tools: Flask, OpenCV, Git, GitHub
Database: MySQL (Basic)
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

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: Python

Hackathons & Achievements

Finalist – IGNETION Hackathon, Gautam Buddha University
Project: Eye Disease 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