SAMEER YADAV

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EDUCATION

Indian Institute of Information Technology   **2024 – 2026**
*MTech - Information and CyberSecurity - **CGPA - 8.39***   *Gwalior, Madhya Pradesh*

Indus Institute of Technology and Engineering   **2020 – 2024**
*BTech - Computer Science - **CGPA - 9.27***   *Ahmedabad*

TECHNICAL SKILLS

Languages: C/C++, JavaScript, SQL, Python
Front-End Development: React, HTML5, CSS3, Tailwind CSS
Back-End Development: Node.js, MongoDB, MySQL
Courseworks: Advanced Algorithms, Network Security, Cryptography, Modeling and Simulation, Machine Learning, Software System Design

PROJECTS

Image Dehazing ↗ | Python,Tkinter, Image Dehazer, PIL   **April 2024**

- Image dehazing with boundary constraint and contextual regularization.
- This project involves implementing the research paper that makes use of the modified dark channel prior technique developed by He et al. OpenCV, Numpy, Pillow, and Tkinter are used in its development.

Restaurant Billing System ↗ | Python, Tkinter, OpenCV, Imageio, Machine Learning   **Sept 2023**

- **Funtionalities** : Operator user interface, Invoice generation, Data storage in CSV, UPI QR code.
- A prototype styled Python restaurant billing system with operator interface, CSV data storage, invoice generation, and smooth UPI QR code integration for effective transactions and simplified billing process administration in hospitality environments..

EXPERIENCE

CIL Nova Petrochemicals Limited ↗   **June 2022 - July 2022**
Web Developer Intern   *Ahmedabad*

- Collaborated with a five-person team to create **user-friendly**, interactive websites using a variety of **front-end**.
- Programming languages, including **JavaScript**, **CSS** and **HTML**.
- Create and maintain **MySQL databases** for collecting customer information submitted through the website.
- Performed **debugging** and **troubleshooting**, reducing system errors by 25% to enhance user experience.

CERTIFICATIONS AND ACHIEVEMENTS

- Solved **400+ Data Structures and Algorithms (DSA) problems** on **LeetCode**, improving problem-solving skills and algorithmic efficiency.
- Completed a job simulation where I served as an analyst on **Mastercard's Security Awareness Team**.
- Completed the **EC-Council** Continuing Education course on **SQL Injection Attacks**.

EXTRA CURRICULUM

Keystone Universe of Education   **Nov 2021 - April 2023**
Mathematics Faculty   *Ahmedabad*

- Taught Mathematics for 1.5 years, mentoring students and enhancing their problem-solving skills.
- Designed structured lesson plans and conducted interactive sessions to improve student engagement.