

Khushi Sikarwar

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Objective

Aspiring software developer with a solid foundation in Java and Python, driven by a passion for factory automation and semiconductor technology. Eager to apply my expertise in object-oriented programming and software development to deliver innovative solutions and drive impactful projects.

Education

Madhav Institute of Technology and Science, Gwalior

Aug 2022 – May 2026

B.Tech in Information Technology (Internet of Things)

SGPA (5 Semester): 9.42

Senior Secondary (Class 12)

Percentage: 67

Kendriya Vidyalaya No. 5, Gwalior

Secondary (Class 10)

Percentage: 64

Kendriya Vidyalaya No. 5, Gwalior

Relevant Coursework

- Data Structures and Algorithms
- Systems Programming
- Computer Architecture
- Internet of Things
- Wireless Technology
- Cloud Computing
- Data Science

Projects

AI-Based Object Detection App for Blind Assistance Developed a mobile app using **Python, OpenCV, and TensorFlow** to detect objects in real-time via the camera feed. Integrated a voice assistant to provide **audio feedback**, assisting visually impaired users with navigation. Designed an intuitive and accessible interface to ensure a smooth user experience.

AI-Based System for Real-Time Yoga Pose Detection and Correction

- Used **Python and OpenPose** to detect and correct yoga poses in real time.
- Authored and presented a research paper on the project, which has been accepted by **IEEE International Students' Conference 2025**.

World Happiness Index Dashboard

- Built an interactive dashboard using **Python (Pandas, Matplotlib)** to visualize global happiness data.
- Employed data cleaning and visualization techniques to create a user-friendly experience.

Technical Skills

Languages: Java, Python, HTML/CSS, JavaScript, SQL

Programming Concepts: Object-Oriented Programming (OOP), Data Structures, Algorithms

Developer Tools: VS Code, Google Cloud Platform, Jupyter Notebook

Technologies/Frameworks: OpenCV, TensorFlow (Beginner), Flask, Keras (Beginner)

Version Control: Git, GitHub

Experience

GeeksforGeeks MITS Student Chapter

Nov 2023 – Nov 2024

Management Team Member

MITS, Gwalior

- Coordinated technical workshops and events to promote programming skills among students.
- Facilitated discussions on programming concepts, including **object-oriented programming** and data structures.

Codewars Club

Dec 2022 – Dec 2023

Technical Team Member

MITS, Gwalior

- Participated in hackathons focusing on **Java**, improving problem-solving abilities.
- Collaborated on technical projects and coding competitions.

Leadership & Extracurricular Activities

Class Representative

2022 – Present

IoT POSTER EXPO 2024: Visualizing Connectivity

1st Runner-Up in Algo Aura - A Coding Competition

Student Coordinator - AI/ML Workshop

Winner - Riddle Rush (Treasure Hunt)

Competitive Coding: Active participant on CodeChef, GeeksforGeeks, and HackerRank.