MANISHA SINGH

📞 8887708728   🌐 https://www.linkedin.com/in/manisha-singh-a04729250   ✉ singhmanisha170603@gmail.com

ABOUT ME

A passionate AI & Machine Learning enthusiast currently in my final year of Computer Science Engineering with specialization in Artificial Intelligence and Machine Learning. Skilled in Python, Java, C++, and machine learning algorithms, with a strong interest in data structures and analysis of algorithms along with automation powered by AI, knowledgeable about constructing projects with SQL, PyTorch, OpenCV, and TensorFlow. Excellent problem-solving skills and a strong interest in making decisions based on evidence. searching for chances to advance and contribute in the fields of software engineering, data science, and AI research.

EDUCATION

VIT BHOPAL UNIVERSITY   **Expected May 2026**
B.Tech Computer Science and Engineering with Specialization in   Cumulative CGPA : 8.24
Artificial Intelligence and Machine Learning

SURYA PUBLIC SCHOOL   **2021**
12th Standard   75.4%

GURU HAR RAI ACADEMY   **2019**
10th Standard   88%

SKILLS

- Proficient in programming with C++, Java, and Python, with a track record of building scalable and efficient software solutions.
- Backend Development: RESTful API development, authentication (Firebase Auth), and microservices architecture
- Cloud & DevOps: Docker, Firebase, and version control (Git/GitHub)
- Database Management: SQL, database design and optimization
- Software Engineering Concepts: Agile development, CI/CD pipelines
- Certifications : IBM Adroit - CyberSecurity Analyst - April(2025), IBM Adroit - GenAI - April(2025)
- Languages : Fluent in English, Hindi

PROJECTS

Fraud Detection In Online Banking Transactions   **2023**
- Utilized Python, Pandas, and Scikit-Learn to preprocess and analyze real-world transaction data.
- Extracted key attributes such as transaction amount, location, and time to enhance model accuracy.
- Integrated data visualization tools to improve model performance and interpret insights effectively.
- Achieved 80% accuracy in detecting fraudulent activities while minimizing false positives.
- Enforced supervised learning models, including Random Forest and Logistic Regression, for anomaly detection based on transaction patterns.

Administrative ChatBot   **2024**
- Developed an AI-powered Administrative Chatbot to facilitate work automation and user inquiries for efficient office and academic management.
- Utilized Machine Learning and Natural Language Processing (NLP) to enable the chatbot to understand and respond to user queries.
- Designed to handle scheduling, document requests, frequent queries, and general administrative tasks.
- Executed using Dialogflow, Flask, and Python, with an interactive interface for real-time collaboration.
- Integrated MySQL/MongoDB for database management, ensuring seamless storage and retrieval of relevant information.

Sanitary Waste Disposal Machine   **2024-2025**
- Designed and developed a Sanitary Napkin Disposal Machine to promote hygienic and eco-friendly disposal of used sanitary pads.
- Implemented an automated incineration system to ensure safe and efficient disposal, reducing environmental impact.
- Integrated temperature control mechanisms to prevent overheating and ensure user safety.
- Equipped with a sensor-based touchless operation for enhanced hygiene and ease of use.
- Constructed using heat-resistant materials to ensure durability and long-term usability.

EXTRACURRICULAR

- **Cyber Warriors Club**   VIT Bhopal University
  Head of Public Relations & Outreach Department   2023-Present

- **BitByBit Club**   VIT Bhopal University
  Head of Event Management Department   2023-2024

- **School Event Management**   Guru Har Rai Academy
  Captain   2016-2019

- **Literature Club**   Guru Har Rai Academy
  Debate and Declamation Department   2017-2019