

Sanskriti Verma

§ Github | , LinkedIn | 📄 Portfolio | # Email | H +91 8802155598

SKILLS

- **Programming Languages:** Python, C, Basics of C++.
- **Database Management:** MongoDB, MySQL, PostgreSQL, DBMS Fundamentals
- **Frameworks:** Flask, FastAPI, Streamlit, Tkinter, NumPy, Pandas
- **Web Development:** HTML, CSS, JavaScript
- **AI/ML:** Machine Learning, Natural Language Processing (NLP), Deep Learning, Model Training & Evaluation
- **Core Subjects:** Object-Oriented Programming, Data Structures & Algorithms (Python & C), Operating Systems (Windows & macOS).
- **Testing & Automation:** Pytest, Selenium
- **Tools:** PyCharm, VS Code, Git/GitHub, Postman, TestRail, Jira

WORK EXPERIENCE

AI intern @C-DAC, Pune (March 2025 – Present)

- Researched and applied transformer-based NLP models (BERT, XLM-Roberta, etc.) for multilingual tasks.
- Contributed to Natural Language Processing (NLP) and Deep Learning solutions, focusing on text preprocessing, model training, and evaluation for real-world datasets.
- Gained hands-on experience with Python libraries such as NumPy, Pandas, Scikit-learn, TensorFlow/PyTorch for model development. Developed text cleaning and tokenization pipelines for multilingual data to improve model accuracy.

Python Developer @Desktop Buddha (Jan 2025 - Feb 2025)

- Backend Frontend Development: Developed core features using Streamlit for frontend and PostgreSQL as the database.
- User Authentication: Implemented Google OAuth2.0 authentication for secure user access.
- Feedback System: Designed and integrated a feedback survey form in the application, making responses available to the admin dashboard.
- Testing Debugging: Conducted unit testing using Pytest to ensure code reliability. Performed UI/UX testing using Selenium to validate user interactions .

PROJECTS

Query Processing and Optimization Dashboard [Link to Demo](#)

Developed a Query Processing and Optimization dashboard using Python Flask, MongoDB , HTML,CSS and Javascript. The dashboard allows users to input MongoDB queries and returns the results , execution time , and optimization suggestion , enhancing query performance and efficiency.

Data Visualization Dashboard [Link to Demo](#)

Developed an interactive dashboard using JSON data fetched from MongoDB. Implemented visualizations including a line graph, pie chart, and a world map to present complex datasets effectively. Utilized libraries such as PyMongo, Folium, Plotly, Flask, and Pandas for data processing and visualization.

Face Recognition-Attendance System [Link to Demo](#)

Implemented a Face Recognition Attendance System using OpenCV , Python and machine learning techniques to train a model for identifying faces and automatically recording in a CSV file.

EDUCATION

- 2022 – Present **B.Tech in Information Technology** , Bharati Vidyapeeth College of Engineering, Pune
- (CGPA: 8.75/10, till 6th Sem)
- 2022- **Class 12th** , CBSE, Modern Vidya Niketan, Sector 43, Faridabad, (85%)
- 2020- **Class 10th** , CBSE, Modern Vidya Niketan, Sector 43, Faridabad, (92.2%)

CERTIFICATE

- Programming, Data Structure and Algorithm Using Python (NPTEL, 2024)
- Database Management System (Udemy, 2023)
- Data Science (NPTEL, 2023)
- Flask Essential Training (LinkedIn)