

Sanskriti Verma

Pune, Maharashtra, India | sanskritiverma.1807@gmail.com | 8802155598
| [Linkedin](#) | [Github](#) |

SKILLS

- Programming Languages: Python ,C,Basics of C++ and Java
- Database Management : MongoDB , PostgreSQL,DBMS fundamentals
- Frameworks: Flask ,Django,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), Software Architecture, System Design , Operating System(Windows and MacOS) and Computer Networking
- Testing & Automation : Pytest, Selenium
- Tools : Pycharm, VS Code, Git/GitHub, Postman ,TestRail , Jira

EXPERIENCE

C-DAC (Centre for Development of Advanced Computing), Pune

Role: Applied AI intern (March/2025 – Present)

Key responsibilities : Working on NLP and Deep Learning projects.

Due to confidentiality, specific project details cannot be disclosed.

Desktop Buddha (Remote)

Role: Python Developer Intern(JAN 2025 - FEB 2025) (2 weeks)

Technologies Used: Python (Streamlit), PostgreSQL, Google OAuth2.0, Pytest, Selenium, Git, Jira

Key Responsibilities & Contributions:

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.Used dummy email to test email confirmation to validate user registration.

Software Development Lifecycle: Participated in the design, development, and testing phases of the application.Engaged in daily stand-ups, sprint planning, and retrospective meetings following the Agile methodology.Gained hands-on experience with Jira Scrum for task management and tracking the software development cycle.

PROJECTS

Data Visualization Dashboard

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.

Query Processing and Optimization Dashboard

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.

Face Recognition-Attendance System

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.

Hinglish Interpreter App

Developed a machine learning-based application to interpret and process queries written in mixed Hindi-English (Hinglish) language. Implemented NLP techniques for language preprocessing, tokenization, and intent classification.

Ecommerce App using Django

The Django E-Commerce Application was built using a robust and scalable tech stack. The backend was developed using Django, leveraging its built-in authentication system and ORM for efficient database operations with PostgreSQL. The frontend utilized HTML, CSS, and Bootstrap for responsive design and user experience. For dynamic charts and data visualization in the admin dashboard, Chart.js was integrated.

CERTIFICATIONS

- Programming, Data Structure and Algorithm Using Python (NPTEL 2024)
- Database Management System (Udemy 2023)
- Data Science (NPTEL 2023)
- Core Java (Internshala 2022)

EDUCATION

B.Tech , Information Technology Bharti Vidyapeeth College Of Engineering (CGPA 8.73)(Till Sem-V)	2022-2026
Senior Secondary (XII) , CBSE Modern Vidya Niketan (sector 43) , Faridabad	2022
Secondary (X) , CBSE Modern Vidya Niketan(sector 43), Faridabad (92.2%)	2020