

AKSHAY AKHILESH TIWARI

B.E. Artificial Intelligence & Data Science · Pune, Maharashtra, India
akshaytiwari2603@gmail.com · +91-8171362694 · [LinkedIn](#) · [GitHub](#)

Summary

B.E. Artificial Intelligence & Data Science student with hands-on experience building AI, computer vision, productivity, and software applications. Skilled in Python, OpenCV, MediaPipe, Streamlit, data visualization, and software architecture, with experience developing real-time and privacy-focused systems.

Skills

Programming	Python
AI / ML	Computer Vision, Behavioral AI, Real-Time Analytics, Human-Computer Interaction, AI-Assisted Coding, Prompt Engineering
Libraries	OpenCV, MediaPipe, Streamlit, Pandas, Matplotlib
Development	Software Architecture, Backend Logic, Dashboard Development, Data Analysis, Data Visualization
Tools	Git, VS Code, Google Colab, Jupyter Notebook, Streamlit

Projects

Attention Span Tracker

[Python](#) · [OpenCV](#) · [MediaPipe](#) · [HTML/CSS/JavaScript](#)

- Developed a real-time **Computer Vision and Behavioral AI system** using webcam-based face detection, gaze analysis, posture assessment, contextual task classification, and attention scoring.
- Built a browser dashboard for **real-time analytics, productivity insights, and visualization** using local processing for privacy.

Vaulty – Privacy-First Windows Password Manager

[Windows](#) · [Encrypted Local Vault](#) · [Browser Extension](#) · [Secure IPC](#)

- Designed a **privacy-first Windows password manager** with an encrypted local vault for credentials, secure notes, cards, passkeys, password generation, organization, and password-health monitoring.
- Designed automated **browser credential discovery and migration** for Chrome, Edge, Brave, Opera, and Firefox without requiring manual CSV exports.
- Designed **secure autofill and credential saving** with Windows Hello authentication, protected IPC, recovery keys, automatic locking, and encrypted synchronization without exposing plaintext credentials.

Priorix – Adaptive Personal Execution & Planning Assistant

[Flutter](#) · [SQLite](#) · [Clean Architecture](#) · [Planning Engine](#)

- Developed an Android-first execution assistant connecting planned schedules with actual execution, supporting completed, missed, postponed, and rescheduled activities.
- Implemented **Clean Architecture, SQLite persistence, Routine and Planning Engines, Calendar, recovery planning, Insights, and Habits**.
- Built an action-oriented Assistant for structured planning and conflict handling; verified the completed implementation with **373 passing tests** and successful debug APK builds.

Smart Expense Tracker

[\[Live Demo\]](#)

[Python](#) · [Streamlit](#) · [Pandas](#) · [Matplotlib](#)

- Developed a web-based expense application with **expense categorization, structured storage, real-time updates, and interactive spending visualizations**.

Training Program

Python Developer – VS Technosoft LLP

Jan 2026 – Feb 2026

- Completed hands-on Python development training involving **Streamlit, data handling, backend logic, debugging, visualization, deployment, and end-to-end application development**.

Extra-Curricular Activities

Social Media Head – S4DS

Managed digital presence, created content, and pro-

Social Media Head – Byteminds

Managed social platforms and content strategies for

Video Editor – GDG

Created and edited video content for events and work-

Education

Dr. D. Y. Patil Institute of Technology

2023 – 2027

B.E. – Artificial Intelligence & Data Science

Saraswati Vidya Mandir Senior Secondary School, Sultanpur

2023

12th CBSE · 66%

Shemford Futuristic School, Sultanpur

2020

10th CBSE · 86%