Chitranshu Yadav.

Software Engineering · Applied AI & Data Science
Final-year B.Tech undergraduate · Kanpur, India

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PROFILE

Computer Science and Engineering undergraduate specializing in Artificial Intelligence and Data Science. Practical experience with Python and SQL data workflows, web applications and machine-learning experiments. Builds projects through problem analysis, implementation, debugging and iteration.

EXPERIENCE

Data Analyst Intern · Zeromade

Remote · 15 December 2025–15 February 2026

- Worked on data cleaning, processing and analysis using Python and SQL.
- Contributed to development and debugging of data and application workflows.

EDUCATION & TRAINING

B.Tech in Computer Science and Engineering

Artificial Intelligence & Data Science · Pranveer Singh Institute of Technology, Kanpur
Affiliated to Dr. A.P.J. Abdul Kalam Technical University (AKTU)
October 2023–July 2027 · Expected July 2027 · 70.59% through the fifth semester

Artificial Intelligence & Machine Learning training

Masai School in association with IIT Patna
Nine-month program beginning 15 January 2026
Training in Python data science, data preparation, supervised and unsupervised learning, and model evaluation.

TECHNICAL SKILLS

Languages & DSA	Core Java, data structures & algorithms, Python, JavaScript, TypeScript, SQL
Web & backend	React, Next.js, Flask, FastAPI, Express, HTML, CSS, Tailwind CSS
Data & databases	pandas, NumPy, PostgreSQL, MySQL, SQLite, Jupyter, Matplotlib
Machine learning	scikit-learn, TensorFlow, PyTorch, Keras, OpenCV, YOLOv8
Tools	Git, GitHub

SELECTED PROJECTS

SAMADHAN Next.js · TypeScript · PostgreSQL

Developed a demonstration grievance-management application with connected case histories and role-specific workspaces. Structured the complaint-to-assignment-to-resolution workflow around traceable records.

Movie Explorer React · JavaScript · MUI · TMDB

Built a responsive film-discovery interface with search, film details and saved favorites using TMDB data. Original live application is linked from the project case study.

RetailSense Python · CSV · SQLite · Jupyter

Implemented retail-data preparation and analysis using customer, order and product datasets, cleaning utilities, notebooks and a Python application. Focused on making raw records usable for structured summaries.

Smart Traffic Python · YOLOv8 · OpenCV · DQN

Explored vehicle detection and reinforcement-learning control for adaptive traffic signals. Combined vision observations with simulation-based control experiments; this remains an experimental prototype.