

Piyush Kumar Singh

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PROFILE

- Aspiring Data Scientist skilled in Python, data analysis, and machine learning.
- Experienced in training machine learning models and building interactive GUIs using Streamlit and Flutter to deploy them.
- Passionate about solving real-world problems with clean code and meaningful insights.

EDUCATION

Haldia Institute of Technology, Haldia, India
B. Tech in Applied Electronics and Instrumentation Engineering
2023 - 2027

TECHNICAL SKILLS

Programming: Python, Dart, HTML/CSS (Basics)
Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow
Web & Tools: Streamlit, FastAPI, Pydantic, Flutter, Docker
Databases: Supabase
Tools: IntelliJ, Jupyter Notebook, PyCharm, Google Colab, Kaggle
Other: Problem Solving

PROJECTS

- **Whatsapp Buddy** (WhatsApp Chat Analyzer) (Python, Streamlit, Pandas, Matplotlib, Seaborn) - ■ [Link](#)
 - Developed a Streamlit-based WhatsApp chat analyzer with sentiment analysis, word clouds, user stats, and emoji insights using Pandas and Matplotlib/Seaborn.
- **Portfolio Website** (lovable.ai, Supabase, Admin Panel) - ■ [Link](#)
 - Developed a personal portfolio website using lovable.ai and Firebase with an admin panel for real-time content updates, showcasing projects, skills, and contact information.
- **MovieMate** (Movie Recommender System) (Python, Streamlit, scikit-learn) –■ [Link](#)
 - Built a content-based movie recommender using Bag-of-Words with a dataset of 5000+ movies. Integrated movie poster API for image display and deployed the system with a Streamlit interface.
- **Insurance Premium Predictor** (FastAPI, Python, Streamlit, scikit-learn) – ■ [Link](#)
 - Built a Machine Learning API using FastAPI to classify users into insurance premium categories (High, Medium, Low) based on personal attributes.