SHREYA DUTTA

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EDUCATION

VIT Bhopal University, Madhya Pradesh   **Cumulative GPA:** 8.11/10
B.Tech – Major in **Computer Science and Engineering**   *Expected May 2026*

PROFESSIONAL EXPERIENCE

Akiyam Solutions – GEN AI Developer Intern   *Nov 2025 - Present*
- Built An AI-powered predictive analytics platform that processes real-time data, runs automated pattern detection, and generates high-accuracy forecasts using Python, Pandas, and ML models
- Implemented ETL workflows integrating SQL databases, anomaly detection models, and API-driven data sources, reducing reporting latency by 40% and improving decision-making reliability
- Collaborated with product and engineering teams to design KPIs, validate experiments, and translate data into actionable strategies for clients across retail, finance, and supply chain

TECHNICAL SKILLS

Languages and Data Analysis: Python (Pandas, NumPy), SQL, EDA, ETL pipelines, data cleaning, web scraping
ML & Analytics: Scikit-learn, TensorFlow, OpenAI APIs, LLM workflows, pattern analysis, anomaly detection.
Visualization & Reporting: Power BI, dashboards, KPI & product metrics reporting.
Tools and Development: Flask, Git/GitHub, REST APIs.

PROJECT

AI Personal Finance Insight Generator   *2024-2025*
Python, Pandas, Flask, OpenAI API, NumPy
- Built and trained ML models to analyze transactional data, extract behavioral patterns, and generate adaptive financial insights, treating it as an empirical ML problem with iterative experimentation
- Designed experimental workflows (iteration, evaluation, data cleaning) to refine financial behaviour predictions and improve insight accuracy
- Optimized pipeline performance by tuning latency and improving data flow, enabling scalable deployment for real-time analysis use cases

FeelSync – AI Driven Behavioral Analysis Platform   *2023-2024*
Python, ML, Flask, React, MySQL
- FeelSync uses a series of tiny interactive games designed to observe user choices, reaction patterns, and behaviour cues. These games generate data that is analysed through ML models, scenario testing, and pattern recognition to help users understand early signs of anxiety, focus issues, and emotional stress
- Improved system performance by 30% through pipeline optimization, asynchronous data handling, and model validation cycles
- Delivered insight dashboards and user-level summaries, demonstrating the ability to translate complex datasets into clear, actionable interpretations like personalized dashboard visualization to support adolescent mental wellness monitoring

COCURRICULAR

National Tech Events – Participated in competitive programming & problem-solving events (Flipkart Grid, HackRx, Code Gladiators), strengthening analytical thinking and problem-solving skills.
Student Coordinator, BitByBit Club – Managed 50+ events, improving communication, collaboration, and team-coordination skills.

ADDITIONAL

Certificates:
Unity and C# Basics : authorized by Meta (offered through Coursera)   *Nov 2023*
GEN AI : certificate by IBM cognitive classes   *April 2025*