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 document management platform with my team, a complete FastAPI backend architecture with modular routers, JWT-based authentication, documentation-ready schemas, and versioned API structure that seamlessly integrates with all service and agent layers.
- Developed the full API layer for an agentic document management system, enabling upload, processing, semantic search, LLM-based answering, and secure user workflows to support AI-driven document understanding.
- Delivered a scalable, integration-ready API foundation that allowed frontend and AI teams to prototype rapidly, reduce dependency delays, and prepare the product for future enhancements like research agents and advanced retrieval.

TECHNICAL SKILLS

Languages: Python , C++, JavaScript, MySQL, HTML5, CSS3, TypeScript
Web & Backend Development: REST APIs, React.js, Next.js, Node.js, OpenAI APIs, RAG, LLM, CI/CD
Data & ML Technologies : Pandas, TensorFlow, Scikit-learn, NumPy, MySQL
CS Core and Tools: DSA, OOP, DBMS, OS, Git/version control, GitHub

PROJECTS

AI Personal Finance Insight Generator | *2024-2025*
Python, Flask, OpenAI API, Pandas, LLM
- 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
- Applied deep learning and language model techniques to summarize user data and improve interpretability, emphasizing data preprocessing, evaluation, and reproducibility
- Optimized performance by profiling inference latency, tuning data pipelines, and refining model integration for scalable real-world deployment

FeelSync – AI Driven Behavioral Analysis Platform | *2023-2024*
Python, ML, Flask, React, GenAI Integration, MySQL
- Implements a gamified mental health detection system using interactive psychology-informed mini-games and advanced ML models for early identification of anxiety, depression, and attention disorders
- Optimized API response time by 30% through asynchronous queries and API restructuring
- Includes real-time behavioral data capture, pattern analysis, and personalized dashboard visualization to support adolescent mental wellness monitoring

Tax Navigator | *2022-2023*
Python, React, HTML, JS, CSS, Bootstrap
- Created an interactive website for a renowned law firm, ensuring compliance with precise specifications for site categories and functionalities
- Generated website features including loading animations and a chat support system to enhance user experience and facilitate new user queries submission
- Executed a successful industry live project for a prominent law firm, resulting in revenue generation and consistent daily traffic growth

COCURRICULAR

National Tech Events – Participated in Flipkart Grid 5.0, HackRx 4.0 (Bajaj Finserv), TechGig Code Gladiators. Enhanced programming proficiency by 30% through team-based challenges.
Student Coordinator, BitByBit Club – Organized 50+ campus events and performances, enhancing collaboration and coordination by 40%.

ADDITIONAL

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