VIDIP GHOSH

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SUMMARY

Current Computer Science student with robust Python programming skills and hands-on experience in machine learning and AI. Demonstrated ability in utilizing tools like TensorFlow and scikit-learn while developing and evaluating models. Adept at rapid self-learning and effective collaboration, ready to contribute to high-impact projects in a dynamic team environment.

EDUCATION

Jamia Millia Islamia - New Delhi   **2020 - 2024**

- **Coursework:** Data Structures and Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Computer Networks, Software Engineering, Artificial Intelligence, Machine Learning, Data Mining, NLP

PROJECTS

Purrfect Pal

- Our team developed an app with web duo which bridges the gap between the pet owners and the people who can temporary adopt their pet featuring Aadhar authentication, Vonage API integration for video chat, Pet registration, adoption requests, and pet profiles and Adoption request confirmation feature.

Trezo

- Developed a decentralized lending or borrowing platform that allows users to deposit Bitcoin as collateral and borrow USDT against it.
- The platform was constructed using Solidity for authoring smart contracts, which were deployed on the core testnet, and Next JS for the frontend.
- With a well-defined collateralization and liquidation method, the platform guarantees secure financing.

SplitMate

- SplitMate is a bill-splitting app that seamlessly calculates and facilitates equal expense sharing in group chats — complete with instant crypto payments via the Base blockchain.
- The tech stack includes Next.js for the frontend, MongoDB for database management, and Base Sepolia for deployment.
- Integrated with XMTP to enable group messaging and Coinbase Wallet for crypto transactions.

Brain Tumor Classification

- Developed a web app that classifies brain tumor MRI scans into four categories: glioma, meningioma, no tumor, and pituitary.
- The model, trained with CNN using PyTorch, provides instant and accurate classifications for medical professionals.
- Integrated Nillion's privacy-preserving technology for secure storage and computation of medical data.

SKILLS

- **Programming Languages:** C++, Python, SQL, Solidity
- **Web Front-end Technologies:** HTML, CSS, JavaScript, ReactJS, ReactNative, NextJS
- **Web Back-end Technologies:** NodeJS, ExpressJS, MongoDB, RestAPI, Firebase, Flask, Django, PostgreSQL
- **Blockchain Development:** Base Blockchain, Ethereum
- **Artificial Intelligence:** Generative AI, TensorFlow, OpenCV, ML Libraries
- **Versions Control:** Git, GitHub
- **Soft Skills:** Teamwork, Rapid Self-Learning, Communication

HONORS AND AWARDS

- **Nillion: AI Prize 2nd position:** Aug 2024
- **MLH Hack Your Portfolio Winner:** July 2024
- **Honorable Mention: Student Food Insecurity at Waffle hacks:** Jun 2024
- **1st Runner up at Hack this fall hackathon:** Feb 2024
- **MLH Hackbattle Hackathon Winner:** Jul 2023