ANANYO DASGUPTA

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EDUCATION

Heritage Institute of Technology   **YGPA: 8.36**
Bachelor of Technology (B.Tech) in CSE-AIML (2023-2027), Kolkata

The Aryans School   **ISC: 92.75%**
(2021-2023), Kolkata

SKILLS

Languages: Java, Kotlin, Dart, Python, HTML, CSS, Javascript, R, Solidity

Tools: Git, GitHub, Firebase, Android Studio, VS Code, Figma

Frameworks: Jetpack Compose, Flutter, React.js, React Native, Pandas, Matplotlib, Keras, TensorFlow

Soft Skills: Leadership, Teamwork, Time Management, Communication

PROFESSIONAL EXPERIENCE

Prodigy Infotech, Remote: Android Development Intern   Feb 2024 - Mar 2024
- Architected a competitive multiplayer Tic-Tac-Toe app that facilitated strategic gameplay between players while incorporating unique features, which achieved 30% user-growth.
- Implemented a calculator app with day/night mode, achieving 75% user retention.

CodSoft, Remote: Web Development Intern   Feb 2024 – Mar 2024
- Constructed a personalized web portfolio with 8 sections using HTML/CSS, attracting local businesses for collaboration.
- Created a landing page for an E-Book Store that increased visitor engagement by 30%.
- Built a responsive web-based calculator app using React.js with a 20% faster interface than previous versions.

PROJECTS

- **AQI and Air Pollution Analysis Using CNN Models**
  Developed an AQI-based air quality analysis system using CNN models (VGG16, InceptionV3, RCNNs) and boosting algorithms. Deployed via Streamlit for real-time image processing and AQI monitoring, addressing pollution's impact on ecosystems and health for **Google Solution Challenge - 2023**.

- **Curoxis – Hospital Management System**
  Implemented a Hospital Patient Management System using MERN stack, AWS, PostgreSQL and Generative AI. Features include appointment scheduling, bed booking, doctor-patient chat, inventory management, and gen-AI prescription reader.

- **Academic Credential Management with Blockchain**
  OmiChain is a decentralized blockchain platform utilizing Ethereum for immutable academic credential storage. It employs Solidity-based smart contracts, MetaMask wallet integration, instant verification via QR codes, and batch credential issuance.

- **Pragati Aid - Intelligent Rainfall Forecasting**
  Assembled a disaster preparedness system using ML, ARIMA models, and blockchain. Predicted natural calamities, generated GeoTIFF precipitation videos, and enabled transparent Web3 donations with Ethereum smart contracts for relief fund management. **Selected as the 2nd runner-up project at Hack Synthesis 2024, UEM Kolkata**.

- **Crest - Music Streaming App**
  Engineered a music streaming app utilizing Kotlin (Jetpack Compose) and Firebase, integrating robust user authentication and premium subscription features that attracted around 100 active users within the first month of launch.

ACHIEVEMENTS

- 1st runner-up at National Students Space Challenge 2024, IIT Kharagpur (500+ participants)
- 2nd runner-up at Hack Synthesis 2024, UEM Kolkata (200+ participants)
- 3rd runner-up at Innovathon 2024, NSHM Kolkata (300+ participants)
- 3rd runner-up at Hack Fusion 2024, NIT Jamshedpur (850+ participants)
- Top 10 at Hack Heritage 2024, Heritage Institute of Technology-Kolkata, and qualified for SIH 2024 (200 teams)
- Finalist at Hack-o-Fest 2024, NIT Patna (300+ participants)
- Finalist at StatusCode1 2024, IIIT Kalyani (600+ participants)