

Tanish Majumdar

+917028912305 | tanishmajumdar2912@gmail.com | [LINKEDIN](#) | [GITHUB](#) | [PORTFOLIO](#)

SUMMARY

Ambitious software engineer with expertise in **web development**, **blockchain**, and **machine learning**. Skilled in **React**, **React Native**, **Node.js**, **Postgres**, **Firebase**, **Solidity**, **Forge**, **AWS**, and **Docker**. I've built a **social media app** for college students and a **carbon credit marketplace** on blockchain. Currently, I'm working on a **concert ticket booking app** that uses **fan scores** calculated from users' music profiles on platforms like **Spotify** and **Apple Music**, leveraging the **Hive blockchain**.

EDUCATION

Jadavpur University <i>Bachelor of Engineering - Information Technology CGPA - 9.14</i>	Kolkata, India 2023 – 2027
---	-------------------------------

EXPERIENCE

Polycab India Ltd. <i>SDE Intern</i> <ul style="list-style-type: none">Developed an internal tool to automate employee management, improving data clarity by 30%Enhanced operational insights by 35% with interactive analytical graphs and detailed reportsIntegrated features for project and leave tracking, including a 4-week rolling planDesigned distinct access views for Admin and HR users, ensuring streamlined usability	Dec 2024 – Feb 2025 Mumbai, India
Hacktoberfest <i>OpenSource Contributor</i> <ul style="list-style-type: none">Implemented email verification using Nodemailer and phone verification via Twilio for open-source appsCreated backend route in Medi Connect app using OSRM for least-time routing with traffic dataContributed bug fixes and enhancements to multiple projects during Hacktoberfest	Oct 2024 Remote

PROJECTS

FanShow | *Hive Blockchain, Redis Queueing, PERN Stack*

- Fan-Driven Ticketing:** Uses **Spotify API** to rank users by **top 100 tracks**, prioritizing real fans.
- Real-Time Queue:** Users joining within 5 seconds are sorted by **fan score**, with 1 minute to book.
- Secure Tickets:** Stored on the **Hive blockchain** for **transparency** and **anti-scalping**.

Campus Chatter | *PERN Stack, Firebase, WebSockets*

- Developed platform using **PERN stack** with **Firebase authentication** and **college email verification**
- Integrated **Google/GitHub OAuth** and implemented **real-time chat** via **WebSockets**
- Implemented **fuzzy search** with **Fuse.js** and **React Autocomplete** for robust filtering

Ecox | *Blockchain, Smart Contracts, Web3*

- Automated NFT Minting & Compliance:** Verified **carbon credits** minted as **NFTs** via **smart contracts**
- Decentralized Auctions:** **Chainlink**-powered auctions enable fair pricing with **WebSockets** sync
- Secure Marketplace:** Integrated **Gemini** for **identity verification** creating a trusted platform

Stock Prediction App | *Python, LSTM, TensorFlow*

- Developed **stock market prediction app** using **LSTM neural network** model for **time-series forecasting**
- Trained model on **historical stock price data**, focusing on key features like prices, volume, and trends
- Predicted **future stock prices** by leveraging the model's ability to capture **market patterns**

Blockchain Police | *React, Solana, Rust*

- Created **blockchain monitoring app** using **taint analysis**, **amount analysis**, and **timing sequence analysis**
- Used **React Flow** to plot transactions and implemented **Louvain algorithm** for **wallet clustering**
- Integrated **WebSockets** for **real-time monitoring** with **email alerts** for suspicious activity

SKILLS

Languages: C/C++, TypeScript, JavaScript, Python, SQL, Solidity, Rust
Technologies: React, NextJs, FastAPI, MongoDB, Postgres, Prisma, TensorFlow, SciKit, ExpressJs, NodeJs, Firebase, Docker, AWS, Redis, Solidity
Achievements: Codeforces Rating 1457, Global rank 2k out of 47k participants in **competitive programming**