

Saksham Tyagi

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EDUCATION

ABES ENGINEERING COLLEGE
B-TECH IN ELECTRICAL AND
COMPUTER ENGINEERING
MINORS: DATA SCIENCE
2022-2026 | Ghaziabad, IN
CGPA: 7.5

K.L.INTERNATIONAL SCHOOL
SENIOR SECONDARY, PCM
2008-2022 | Meerut, IN

LINKS

Portfolio:// [Oxsaksham.tech](#)
Linktree:// [samsshow](#)
Github:// [SamsShow](#)
LinkedIn:// [sakshamtyagi28](#)
X:// [@SamsShow2](#)

CERTIFICATES

Postman API Fundamentals Student Expert
Issued by Canvas Credentials (Badgr) | Aug 2024
Microsoft Learn Student Ambassador
Issued by Microsoft | Jan 2024
Digital Transformation with Google Cloud
Issued by Coursera | Nov 2023
Credential ID: GGWHBLXWLMGY
HackerRank Problem Solving (Basic)
Issued by HackerRank | Apr 2023
Credential ID: 1D0584D8D120

SKILLS

PROGRAMMING LANGUAGES
C • C++ • Python • JavaScript • Solidity
FRONTEND TECHNOLOGIES
React • Tailwind UI • Next.js
WEB3
Solidity • Hardhat • Ethers.js
DESIGN TOOLS
Figma • Adobe Illustrator • Adobe Photoshop
VERSION CONTROL
Git • GitHub
OTHER SKILLS
Video Editing (Adobe Premiere Pro)

EXPERIENCE

IKNOWSPOTS | UI/UX DESIGNER – LEAD DESIGNER

Feb 2024 – July 2024 | India

- Created and prototyped Web2 and Web3 user interfaces using Figma.
- Orchestrated joint review sessions with development teams, ensuring UI was implemented according to design specifications, resulting in a 35% reduction in post-launch bug reports related to UI issues.
- Optimized designs for responsive viewing, leading to a 20% increase in mobile engagement.

PROJECTS

GASSAVERX | GAS FEE OPTIMIZATION TOOL

Live Demo | Github

- Developed a tool using **QuickNode Streams** and **Odos API** to optimize gas fees, analyzing over 1,000 real-time transactions for cost-saving opportunities.
- Implemented **PayPal USD (PYUSD)** integration for gas fee payments, enhancing user convenience by reducing payment complexity by 20%.
- Created a portfolio dashboard using **Coinpaprika API**, allowing users to track and manage 50+ crypto assets with detailed analytics.
- Designed a decentralized storage mechanism using **mock IPFS**, ensuring data integrity and scalability for transaction histories.

ENERXCHANGE | DECENTRALIZED RENEWABLE ENERGY TRADING PLATFORM

Live Demo | Github

- Engineered a peer-to-peer energy trading system for microgrids, automating the listing of 100+ kWh of renewable energy via **IoT-enabled smart meters**.
- Utilized **Chainlink Oracles** to process real-time energy production and consumption data, achieving a 25% increase in transaction efficiency.
- Targeted microgrids in remote areas, reducing dependency on centralized grids by 30%.
- Contributed to sustainability by enabling decentralized energy generation and trade with **smart contract automation**.

ACHIEVEMENTS

- **3RD PLACE, QUICKNODE BUILDON HACKATHON (PAYPAL PYUSD TRACK)** : Awarded **2,000 dollars** in PYUSD for **GasSaverX**, a gas fee optimization tool integrating PayPal PYUSD payments and blockchain analytics.
- **2ND PLACE, IDEATON BY TON SOCIETY INDIA** : Recognized with a prize of **180 dollars** for **TONfi**, a blockchain-based project promoting financial innovation within the TON ecosystem.
- **2ND PLACE, GFG HACKFEST 2024** : Honored with a Price of worth **200 dollars** for a Web3-powered project addressing sustainable development, showcasing the transformative potential of decentralized technologies.