KARAN SINGH BISHT

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SUMMARY

Software Engineering student specializing in **cryptography** and **blockchain development**, actively learning the math behind **zero-knowledge proofs (ZKP)** and implementing them. Proficient in building secure, scalable solutions with **JavaScript, TypeScript, React, Node.js**, and more.

EDUCATION

National Institute of Technology, Trichy — India
B.Tech. in Electrical and Electronics Engineering (CGPA: 8.4) — *Aug 2023 – May 2027*

EXPERIENCE

Technical Design Manager — Sep 2024 – Jan 2025
KADAL (3000+ student community) — *India*

– Led UI/UX design using **Figma** and built responsive front-end with **React** for 6 startup projects.
– Improved user engagement by 25% via iterative design and code reviews, ensuring timely delivery.

PROJECTS

SupplySync: A Blockchain-based Supply Chain System (React, Tailwind, Solidity) — [GitHub]

– Engineered a dApp for transparent product traceability, deployed on **Sepolia** with 99% paperwork reduction.
– Developed **Solidity** contracts using **Foundry + viem**, integrated CI/CD for reliable deployment.

Ansfi: Tezos-based Payment & NFT Platform (SmartPy, React, Node.js) — [GitHub]

– Implemented NFT lending/trading on **Tezos** using **SmartPy** for smart contracts.
– Built React frontend + Node.js backend; integrated **Stripe** for fiat-to-crypto transactions.

Pluotos: AI-driven Financial Literacy Platform (Flask, Bootstrap, Meta LLaMa) — [GitHub]

– Developed a **Flask** backend integrating **Meta LLaMa** from Hugging Face for personalized modules.
– Designed a responsive UI with **Bootstrap** for dynamic, performance-based user content.

LEADERSHIP & ACTIVITIES

Blockchain Developer — Feb 2025 – Present
SPIDER R&D Club, NIT Trichy

– Conducting research on **privacy networks** and advanced **ZKP cryptography** to enhance blockchain solutions.
– Implementing a **fully anonymous feedback system** for students, verifying identity without exposing personal data.

DevOps Engineer — Dec 2024 – Present
Currents (EEE Symposium), NIT Trichy

– Building backend **RESTful APIs** with Node.js & Express for 1,000+ attendees, using **Docker** & GitHub Actions for CI/CD.

CERTIFICATIONS

Solidity Smart Contract Development — Nov 2024
Cyfrin Updraft — *View Certificate*

Postman API Fundamentals Student Expert — Oct 2024
Postman — *View Certificate*

Hands-on Intro to Linux Commands & Shell Scripting — May 2024
IBM — *View Certificate*

TECHNICAL SKILLS

Languages: Rust, Solidity, JavaScript, TypeScript, Python, Go, MySQL
Frameworks/Libraries: React, Next.js, Node.js, Express, Flask
Tools: Git, Docker, Postman, Foundry, Viem
Focus: Cryptography, Blockchain Development, Zero-Knowledge Proofs