# Rishit Modi

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## Professional Summary

Innovation-focused researcher specializing in the fusion of AI and blockchain security. Certified in OCI AI Foundations, with hands-on experience building decentralized platforms on ICP and Substrate while implementing immutable logging for data integrity. Proven ability to deliver high-impact technical solutions, recognized through multiple first-place awards and excellence in public speaking.

## Education

**Thapar Institute of Engineering and Technology** – Patiala, India     *May 2028*
*B.Tech in Electronics & Computer Engineering*

**Mukat Public School**
*Class 11–12 (CBSE)*

**Holy Angels School**
*Class 1–10 (ICSE)*

94.8% in 10th grade

## Work Experience

**Research Intern** – ELC (Thapar Institute of Engineering & Technology)     *Jan 2024 – Jun 2024*
- Conducted a blockchain-based ransomware detection study, developing an ensemble of three AI models that boosted detection accuracy.
- Implemented immutable blockchain infrastructure logging to ensure data integrity across the system.
- Applied peer-to-peer networking protocols within the blockchain system, demonstrating a strong understanding of protocol strategy in decentralized data communication.
- Utilized rigorous problem-solving and analytical skills to validate and refine the solution.

**Marketing Intern** – Not@MRP (Startup)     *May 2023 – Jul 2023*
- Collaborated with student organizations, local partners, and internal teams to align campaign messaging, enhancing outreach effectiveness across multiple channels by 20%.
- Participated in weekly strategy meetings with leadership to analyze outreach performance and optimize tactics, improving campaign results by 15%.

## Cohorts and Training

**Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate** – Oracle     *October 2025 – October 2027*

**Learning Bitcoin from the Command Line** – BitShala cohort

**Mastering Bitcoin** – BitShala cohort

## Projects

**ProofNest (ICP Hackathon)**
- Decentralized blockchain platform for creators to register and verify ownership of digital artworks (proof-of-creation). Implemented using Rust smart contracts (Substrate) and a React.js frontend.

**OpenEx (Hostel Hustle)**
- Campus peer-to-peer marketplace web app enabling students to buy, sell, and exchange goods within their hostel community. Facilitated secure transactions between peers without handling cash directly.

**LearnXTrade**
- Interactive, gamified finance education platform that simulates real-world stock and forex trading scenarios. Designed to help users master market concepts through hands-on trading practice and quizzes.

**FreeMint**
- Hackathon project combining blockchain and AI: developed a creative digital minting system with smart contracts and AI components, focusing on practical fusion of technology and art.

## Skills

**Programming Languages**: , Rust, JavaScript, C++, Python

**Blockchain / Smart Contracts**: Bitcoin, Ethereum (Polygon), Internet Computer (ICP), Polkadot (Substrate)

**Web & Databases**: , React.js, Node.js, MySQL, MongoDBFirebase

**Tools & Research**: , Git, LinuxDocker, Research interests in ransomware detection and blockchain data integrity

## Leadership & Awards

**Core Team Member** – Saturnalia Fest (Techno-Cultural Fest) & Urja (Sport Fest)     *September 2025 – November 2025*
- Streamlined sponsor communication by standardizing proposal decks, accelerating approvals and improving engagement.
- Contributed to planning and executing one of North India's largest techno-cultural festivals and ensuring smooth operations and audience engagement.

**Frosh Coordinator** – Frosh Coordinator (TIET)     *June 2025 – August 2025*
- Coordinated scheduling and logistics of 26+ events in 30 days, resolving resource clashes by implementing a shared calendar and assigning team leads and helped onboard and orient over 4,000 first-year students smoothly.
- Secured ₹1 lakh in sponsorships by developing targeted proposals and engaging key vendors, surpassing the original target by 75% and enabling expanded event resources."

**Executive Committee Member** – MUDRA Society (TIET)     *September 2024 – March 2025*
- Co-led design workshops and cultural events, actively collaborating with cross-functional teams to manage coordination and drive creative direction for society projects.

**Awards**
- **1st prize - Surreal BlockseBlock Hackathon**
- **1st prize - BitnBuild Hackathon**
- **Excellence Award** – **Outstanding Public Speaking and Leadership**