Sukrit Ghosh

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EDUCATION

Indian Institute of Technology(IIT) Patna — Patna, India
- *BTech* — *October 2022 - May 2026 (Expected)*

Hariyana Vidya Mandir — Kolkata, India
- *All India Senior School Certificate Examination(AISSCE) conducted by CBSE.* **Percentage: 84**%) — *Apr 2019 - Mar 2021*

Mary Immaculate School — Murshidabad, India
- *Indian Certificate of Secondary Education(ICSE) conducted by CISCE.* **Percentage: 95.2**%) — *Apr 2006 - Mar 2019*

PROJECTS

Real-Time Chat Application — **Source Code**

- Developed a full-stack real-time chat application using the MERN stack (MongoDB, Express.js, React.js, Node.js), featuring user authentication, messaging, and database operations via a RESTful API.
- Built a responsive React.js frontend with Tailwind CSS and integrated Socket.IO for instant, bidirectional messaging, ensuring seamless real-time communication without page refresh.

Crowdfunding Platform — **Source Code**

- Developed a decentralized platform for users to create and fund projects, supporting peer-to-peer contributions and project ownership
- Built a responsive interface in ReactJS and implemented backend logic with NodeJS, ExpressJS, and MongoDB for data management.
- Utilized Web3, Solidity, and Hardhat to facilitate secure and transparent fund transfers through smart contracts, leveraging the Ethereum blockchain. **Tools technologies used:** ReactJS, NodeJS, ExpressJS, MongoDB, Web3, Solidity, Hardhat

Quantum Technology Club Website — **Source Code**

Designed and developed a fully responsive official website for the Quantum Technology Club.
- Built the front-end using React.js to deliver an interactive and seamless user experience.
- Utilized Tailwind CSS to implement a modern, responsive, and visually appealing design.Ensured the website's adaptability across various devices and browsers.

EXPERIENCE

Backend Developer Intern — February 2025 - April 2025
Aselea Network
- Developed and deployed smart contracts using Solidity. Gained hands-on experience in blockchain development and Ethereum-based applications.
- Designed and built a chatbot with a React-based frontend and a Python backend using FastAPI and Flask. Integrated open-source AI models to enhance chatbot functionality. Deployed the entire application on Google Cloud Platform (GCP) for scalability and performance. **Tools technologies used:** Solidity, Hardhat, React, Python, Google Cloud, Remix etc.

Web3 Business Analyst Intern — December 2024 - January 2025
Zenithium

Researched Web3 integration in various industries, exploring real-world applications of DeFi, decentralized physical infrastructure networks (DePINs), and blockchain. Developed and tested smart contracts using tools like Solidity, Hardhat, and Remix, gaining hands-on experience with Web3 development. Analyzed and presented insights on blockchain-based solutions to support business strategies and innovation. **Tools technologies used:** Solidity, Hardhat, React, Remix etc.

SKILLS/RELEVANT COURSEWORK

- **Programming/Development Languages:** C, C++, Solidity, Ethereum, Python, HTML, CSS, Javascript, ReactJS, NodeJS, MongoDB
- **Tools OS:** Remix, Truffle, Ganache, VSCode, Git, Linux, Windows
- **Core Courses:** Programming and Data Structures, Foundations of Machine Learning, Introduction to Microeconomics, Full Stack Developer Udemy Course, Ethereum Blockchain Developer Course etc.
- **Soft Skills:** Leadership, Event Management, Fine Arts, Public Speaking

ACCOMPLISHMENTS

- **IAS-SRFP:** Selected for IAS-SRFP, 2024 **(10% selection rate)** conducted by the Indian Academy of Sciences.
- Inter IIT Cult 7.0 **Gold Medalist** in Charcoal Painting.
- Inter IIT Cult 7.0 **Silver Medalist** in Costume Designing.
- Secured an All India Rank of **10645** out of more than **0.17** million candidates in JEE Advanced 2022.
- Ranked as top **2.5** percentile out of more than **1.14** million candidates in JEE Mains 2022.

POSITIONS OF RESPONSIBILITY

- Coordinator of **Quantum Technology Club - Web and Dev Team**.
- Overall Coordinator of **Vincetroke**, Fine Arts Club of IIT Patna.
- POC of **Fine Arts Cup** of **Inter IIT Cult Meet 7.0**