KASHISH VERMA

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EDUCATION

Indian Institute of Technology Roorkee — India
Integrated Master of Science, Applied Mathematics, *CGPA: 6.57* — June 2016 - June 2021
- Earn Inspire scholarship for excellence in academics in the first year at IIT Roorkee.
- Organized Spectrum, an event for the Mathematics Department at IIT Roorkee.
- **Coursework:** Data Structure and Algorithm| Number Theory| Graph Theory| Machine Learning| Linear Algebra| Discrete Mathematics| Economics| Combinatorics| Theory of computation| Soft Computing

WORK EXPERIENCE

bitFlyer Blockchain — Tokyo, JP
Software Development Engineer-2 — Jan 2024 - Present
- Develop API endpoints for Miyabi to fetch the transaction history of multiple blocks using height.
- Improve the Miyabi Network layer communication by 30% and optimize the consensus algorithm.
- Experienced in working with Miyabi clients like DAMS. Created custom Smart contracts with regular updates for Miyabi clients.
- Implemented and managed Miyabi network nodes and participated in network maintenance and optimization activities.
- Implemented Miyabi-based tokenization solutions for asset management and transfer on the blockchain.

bitFlyer Blockchain — Tokyo, JP
Scrum Master — March 2023 - Present
- Organize daily standups, get status updates from the team, and look for any issues and roadblocks.
- Ensure user stories were 100% ordered, defined, and ready to be worked by the team.
- Organize sprint planning and retro meeting. Support the Project Owner and assign tasks to team members.

bitFlyer Blockchain — Tokyo, JP
Software Development Engineer-1 — Aug 2021 - Dec 2023
- Development of Miyabi a permissioned blockchain that focuses on high transaction execution speed, security, and ease of usage to enable enterprises to apply and use blockchain for their specific needs.
- Development of Miyabi Explorer a playground to interact with Miyabi and use its functionality.
- Conducted code reviews and provided feedback on smart contract security, tokenization, and best practices.

IIT Gandhinagar — Gandhinagar, IN
Internship — May 2019 - July 2019
- Worked on different types of Blockchain and how different Cryptocurrencies leverage blockchain technology.
- Created a working blockchain with proof of work using the Sha - 256 encryption algorithm in Python.
- Proposed a model for application in the Banking & Financial Services and E-Governance sectors.

PROJECTS

Visualising Sorting Algorithm *(C++, DSA)* — Github
- Using Code Blocks to program different sorting algorithms in C++.
- Add animation using a graphics library of C++.

PayTM Project *(React, Express, MongoDB)* — Github
- Build a PayTM wallet-like app using MongoDB, react, and express. Learn about database transactions and user authentication essential for an app.
- Build a PayTM like application that lets users send money to each other given an initial dummy balance

SKILLS

Programming Languages	C++, C#, Python, JavaScript/TypeScript, HTML, CSS
Technologies and Frameworks	React, Express, NodeJs, Tailwind, Pandas, NumPy, TensorFlow
Software	Kubernetes, Docker, Linux, Git, SQL, Mongo DB, Azure
Certification	System Design, NN and DL, TensorFlow for AI, ML and DL, Problem Solving

LEADERSHIP AND ACTIVITIES

Cognizance | IITR — *Coordinator*
- Organize "Applicate" an Android application-based competition. More than 30 participants competed, and a prize worth 60k was distributed among the winners.

Public Relations Club | IITR — *Secretary*
- Hosted Hillffair & Nimbus the annual cultural and technical fest respectively.
- Worked for campus outreach programs and conducted events such as Innovision, Fall Fiesta, March into Spring.
- Lead a team of 70+ participants for the activities mentioned earlier.