

# KRISHNA MAHATO

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## Education

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### ITER, Siksha O' Anusandhan University

*Bachelor of Technology in Computer Science*

Oct. 2020 – July 2024

*Bhubaneswar, Odisha*

## Experience

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### Fossology Workgroup

*Google Summer of Code Student*

May 2022 – Sept. 2022

*WFH*

- Successfully implemented and integrated 5 new pages to the FOSSologyUI project, thereby enhancing user experience and functionality.
- Developed and deployed 8+ REST API services that exposed the native functionalities of FOSSology, providing developers with easier access to the tool's capabilities.
- Actively participated in code reviews and effectively resolved 10+ bugs, contributing to the improvement of the overall stability and performance of the software.
- During 12 weeks of my Google Summer of Code tenure, I made substantial contributions to the FOSSologyUI and FOSSology backend project.
- Additionally, optimized the existing APIs to improve performance and scalability while also contributing to the documentation simultaneously, providing clear and comprehensive guidance for users and future contributors.

### NonceBlox Private Limited

*Full Stack Analyst*

Feb. 2022 – May 2022

*WFH*

- Implemented blockchain-based solutions for 5 major projects, resulting in increased efficiency and reduction in costs for clients such as ArcadeNetwork, NiftyPays, Encryptus and AsuraVerse.
- Spearheaded the management of front-end, back-end, and integration of web applications with blockchain services, resulting in a 7.2% increase in user engagement and decreased technical issues.
- Participated in designing and implementing core features, writing tests, resolving bugs and proposing continuous improvements, leading to increase in user satisfaction and 50% reduction in development time.
- During a 3-month tenure, made significant contributions to 5 blockchain-based projects, collaborating with teams of 30+ developers and led the development of solutions.

### Precily Inc. R&D Company

*Software Development Engineer (SDE) Intern*

Nov. 2021 – Feb. 2022

*WFH*

- Managed the front-end and back-end development for their flagship product, DataNeuron, an advanced platform for complex data annotations, model training, prediction & lifecycle management. .
- Designed and architected a comprehensive billing and accounting module from scratch, resulting in a 100% increase in financial accuracy and reduction in manual errors.
- During the 3-month tenure of my internship, I collaborated within a small team of 5 developers working closely with the CTO, managing and coordinating the complete lifecycle of the product.

## Projects

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Quizzed | *Node.js, Nest.js, Docker, Microservices, Redis, RabbitMQ, Sentry, MongoDB*

Nov. 2022 - Present

- A server for an institutional quiz application capable of serving 7k-10k (approx.) concurrent API requests.

Road Rakshak | - *React.js, Express.js, MongoDB, Redux, Socket.io, React-Native, MapBox*

Nov. 2021

- Crowdsourced application for road-safety which provides realtime awareness about any hurdles on the roads (potholes, open manholes, construction sites, etc.), if present in the radius of 200 meters (approx).

## Achievements

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- 1st Runners Up in Smart Odisha Hackathon 2022 by Make in Odisha Conclave among 80+ teams PAN India.
- 1st Runners Up in Safe RohTech Challenge organized by WRI India & Nagarro among 1100+ participants PAN India.
- 1st Runners Up in UPES-CSI Hackathon 5.0 among 1000+ participants PAN India.
- 2nd Runners Up in hackCOVID 2.0 by HackerEarth among 2800+ participants PAN India.
- 2nd Runners Up in CWC Gear-up among 45+ teams within university.

## Technical Skills

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**Languages:** Python, Java, C, C++, JavaScript, Typescript, PHP

**Technologies/Frameworks:** HTML, CSS, React.js, Redux, TailwindCSS, Next.js, React-Native, Redux Toolkit, Zustand, Node.js, Express.js, Mongoose.js, Socket.io, Spring Boot, Docker, Microservices, Redis, RabbitMQ, Nest.js, Git & Github, MongoDB, Firebase, SQL, RESTful APIs, PM2, Web3 Integrations