

# Sumit Lahiri



shekharhiran@hotmail.com



9007342270



[linkedin.com/in/sumit-lahiri](https://www.linkedin.com/in/sumit-lahiri)



<https://lahiri.netlify.app>

## Summary

I am a full-stack developer pursuing a Ph.D. from IIT Kanpur on Formal & Semi-Formal Verification of software applications. I am a developer on Blockchain technologies namely Fabric, EVM-Solidity & Bitcoin (bitcoin-core). I mostly write code in C++, Golang, JS and a bit in python.

Apart from research work, I have good working experience with Node.js, React, Redux, ExpressJS, MongoDB, PostgreSQL, Web-RTC, GraphQL and sockets-io. I host my applications or serverless gigs on AWS or GCP and have good working knowledge on NGINX, Dockers & Kubernetes.

## Experience



### Campus Expert

GitHub

Jan 2020 - Present (10 months +)

Building a thriving developer community powered by GitHub. Developing OSS with GitHub. Few PRs left.



### Graduate Research Fellow

Tata Consultancy Services

Jul 2020 - Present (4 months +)

Awarded Ph.D. Research Fellowship in Computer Science from TCS COIN (Innovation Center).



### Teaching Assistant

Indian Institute of Technology, Kanpur

Jul 2019 - Present (1 year 4 months +)

- Data Structures & Algorithms (ES0207)
- Software Development & Operations (CS253)
- Advanced Compiler Optimizations [LLVM, KLEE, clang] (CS738A)



### Remote Developer (Solidity-Golem)

Golem Factory

Mar 2018 - Sep 2018 (7 months)

Built an EVM-Golem smart contract processing and compilation pipeline in Node.js using truffle, openzeppelin, solc and node-parser.



### Program Manager

Tata Motors

Aug 2017 - Dec 2017 (5 months)

Worked on AC Implementation for N2/N3 Category of M&HCV Vehicles.



## **Graduate Engineering Trainee**

Tata Motors

Aug 2016 - Aug 2017 (1 year 1 month)

Worked on VAVE Ideas Implementation.



## **Summer Trainee**

Steel Authority of India Limited

Jun 2015 - Jul 2015 (2 months)

Summer Training at ASP & DSP SAIL, Durgapur. Foundry and Steel workshop.

## **Education**



### **Indian Institute of Technology, Kanpur**

Doctor of Philosophy - PhD, Computer Science

2019 - 2024

<https://cse.iitk.ac.in/users/sumitl>



### **National Institute of Technology Durgapur**

Bachelor of Technology - BTech, Mechanical Engineering

2012 - 2016

<https://www.nitdgp.ac.in>

## **Licenses & Certifications**



**AI Seminar @IITK - Intel Corporation**



**CUDA & HPC GPU Performance (One Day Camp) @IITK - NVIDIA**



**Design Patterns in Go - Udemy**



**TypeScript : Complete Developers Guide [Full Stack Developer] - Udemy, Inc.**



**Grokking System Design - Educative, Inc.**



**C++ Advanced - HackerRank**

<https://www.hackerrank.com/certificates/b6185d344d52>



**C++ Intermediate - HackerRank**

<https://www.hackerrank.com/certificates/c04be0fcd2ed>