

Tushar Malakar

<https://github.com/TusharMalakar>

Email: tusharcu12@gmail.com

Mobile: +1-646-269-1820

EDUCATION:

Hunter College, CUNY

Bachelor of Arts, Computer Science

New York City, NY

Expected Graduation: Dec 2019

Long Island City, NY

Jan 2015 – Dec 2017

LaGuardia Community College

Associate of Science in Computer Science

RELEVANT COURSES

Distributed System and Cloud Computing, Data Structure, Discrete Math, Operating System, Relational Database, Blockchain, Bigdata, Computer Theory, Computer Architecture, Capstone

Honors & Awards

- [**CUNY Hackathon 2019 \(3rd Place\)**](#): Developed a blockchain voting system (TrulyVote) to revolutionize the current corrupt and unfair election system and to maximize young voter for anywhere using all the properties of blockchain.
- **Dean list:** Rewarded by LaGuardia Community College.

EXPERIENCE:

Crown Castle

New York City, NY

Jun 2019- Sep 2019

Software Engineer Internship:

- Maintain and support existing internal-developed software systems in the form of bugfixes and feature adds.
- Create and maintain agile-based task backlogs as well as traditional waterfall-style project plans.
- Provide insight and feedback to other architects and engineers related to their projects.
- Remain informed of current trends and best practices related to job duties.
- Develop standard operating procedures and other documentation related to network systems.

Department of Education

New York City, NY

Jun 2019- Sep 2019

DOE Tech Internship

- Conducted troubleshooting and fixed minor hardware/software related issues
- Assist students and teachers with computer use, software, and account log in
- Performed semester inventory of printers, laptops, and smartboards

PROJECTS:

[**Virtual Library\(System Design\):**](#)

Sep 2019 – Dec 2019

Project description: A distributed high scalable cloud “Function as a Service (FaaS)” application with multiple replications where client can search, upload and download files / books. The system was designed using Python 3. The system has server-side caching and logging and a user friendly Angular-7 User Interface. The application used Google Cloud Storage to store files and Mongodob to store log file. We used Docker engine to create and serve images. The server was hosted in Google Cloud (Kubernetes). To see more details, please hit the [hyperlink](#).

[**Truly Vote: Decentralized Voting System using Blockchain**](#)

Oct 2019 – Oct 2019

Project description: A distributed, diverse, unchangeable and decentralized online voting system using Blockchain technology. It was implemented to maximize the voting participation and to stop voting result manipulation. This web application was designed using ReactJs, PostgreSQL, JavaScript and JavaScript Web-socket and maintaining properties of double spending, RASsecurity, decentralized and unchangeable.

[**Hunter Collaboration**](#)

Jan 2019 – May 2019

Project description: A full-stack web and android development to collaborate hunter college students having similar skills or project interest to develop projects. This application was designed using python flask to implement all CRUD operations and python web socket to make real-time communication.

TECHNICAL SKILLS

J2EE Technologies

Spring Boot, Servlets, MVC, Hibernate, Log4J, JUNIT

Languages

Python, Java, C++, TypeScript, Ocaml, HTML, CSS

Internet Protocols

HTTP (GET, POST, UPDATE, DELETE), TCP/IP

Databases

Hadoop, DynamoDB, Neo4j, Mongodob, MySQL, SQL

Others

JWT Security, RSA security, Salt Security, Spring Security, Tomcat Server,

SHA-128, SHA-256, SHA-512, Docker, Postman, Flask, Angular 7