Tushar Malakar
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EDUCATION:

Hunter College, CUNY — New York City, NY
Bachelor of Arts, Computer Science — Expected Graduation: Dec 2019

LaGuardia Community College — Long Island City, NY
Associate of Science in Computer Science — Jan 2015 – Dec 2017

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
Software Engineer Internship: — Jun 2019- Sep 2019
- 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
DOE Tech Internship — Jun 2019- Sep 2019
- 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

PEOJECTS:

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.

Virtual Library — Oct 2019 – Dec 2019
Project description: A virtual library to provide all the library services to librarian and students. As a librarian user have all admin level services to add, delete, search, update all types of documents from library and as a student user can search and read all types of documents. This application was developed using Mongodb database, python flask to do CRUD operations and Angular 7 to design the user interface.

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, JavaScript, HTML
Internet Protocols	HTTP (GET, POST, UPDATE, DELETE), TCP/IP, WEB-SOCKET
Databases	Hadoop, DynamoDB, Neo4j, Mongodb, MySQL, SQL Server, postgreSQL
Others	JWT Security, RSA security, Salt Security, Spring Security, Tomcat Server, SHA-128, SHA-256, SHA-512, Docker, Postman, Flask, Angular 7