DHRUV DOSHI

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EDUCATION

Master of Applied Science, Computer Science   2021-Expected
Dalhousie University

Bachelor of Engineering, Computer Engineering   2016-2020
Gujarat Technological University | CGPA: 9.34/10

PROFESSIONAL EXPERIENCE

Teaching Assistantship   September 2021 – Present
Delivered weekly labs for a group of fifty students
  - CSCI-2134 – Software Development
  - CSCI-1109 – Introduction to Data Science
  - CSCI-1105 – Introduction to Computer Science

Blockchain Developer   July 2020 – December 2020
Freelance Project / Cryptovantage
  - Develop an Illicit transaction detection system on cryptocurrencies single-handedly. Used JavaScript, Python and GO language. Tested the product for vulnerability and potential threats.
  - Selected by the Netherland government for funding and integration with 5AMLD systems.
  - Developed using Python, GO, Solidity, Node.js, MongoDB
  - Tools used Github, Jira, Remix, AWS

Founder & Developer   June 2018 – June 2020
DCS-BBN / DCScoin (Decentralized Cloud Storage Based on Blockchain Networking)
  - Developed enterprise cloud storage solution based on Blockchain with 6 raid data backups with distributed systems, backed up by cryptocurrency DCScoin.
  - Selected by Supreme Incubators, Delhi for funding and further development.
  - Developed using Python, GO, Solidity, Node.js, Ethereum, Ganache, Truffle, Flask.
  - Tools used Github, Azure, Hyperledger Fabric, Metamask and ERC-20 contracts.

RESEARCH

Research Assistantship   September 2021 - Present
  - Developed tracing table generation system for given code.
  - Enabling the graphical Interface to understand the flow of an algorithm.

Research paper, "Blockchain based Decentralized Cloud Storage" on Blockchain published in International Journal, "International Conference on Mobile Computing and Sustainable Informatics" affiliated by Springer.

CERTIFICATIONS
  - Machine Learning Certification from Stanford University
  - Python & Machine Learning Certification from IBM
  - Machine Learning Certification from Google
  - Artificial Intelligence Certification from Nvidia
  - Certified Ethical Hacker from BitDegree

HACKATHONS

SRM Hackathon
- ➢ Represent university on the national level and got into top 10 teams out of 1500 across India.
- ➢ Developed offline payment systems backed up by NFC and Bluetooth.

DCB Bank Hackathon
- ➢ Invited for the first-ever fintech hackathon in the city because of the previous research work.
- ➢ Developed first-of-kind blockchain banking gateway for DCB bank.
- ➢ Secured Position in Top 7 teams overall.

Ahmedabad University Hackathon
- ➢ Developed an Artificial Intelligence algorithm to rectify the transactions and find the best path for solving any issues.
- ➢ Secured third position in 147 teams overall.

PROJECT

University Application Portal | Github   May 2021 – August 2021
Graduate Project – Java, Spring, MySQL, CI/CD, Heroku, Jira, Timberlea
- ➢ Developed a single place solution for universities and students for admission applications.
- ➢ Followed the SOLID principles, agile development, git workflow, written Junit test unit test cases to ensure high-quality code and used test-driven development to develop a robust application and continuous integration and development deployed in Timberlea server.

Relational Database Management | Github   May 2021 – August 2021
Graduate Project – Java, CI/CD, Jira, Timberlea, Heroku
- ➢ Developed simulation of Database Management design System from scratch by deciding conceptual framework, implementing main modules like authentication, set database methods, query processing, ERD Generation etc. and integrating them.
- ➢ Developed a Data dictionary that dynamically tracks the metadata files and developed Select, Update, Use and Delete parsers that contributed to the basic CRUD operations of the database.

Halifax Foodie | Github   May 2021 – August 2021
Graduate Project – AWS, GCP, Node.js, React.js, Bootstrap, DynamoDB, Heroku
- ➢ Designed and developed a serverless application for an online food delivery system with registration options for both restaurants and consumers both.
- ➢ Implemented features such as authentication, registration, chatbot, representative chat, visualization of orders, real-time order tracking and graphical report for restaurants

COVID-19 Contact Tracer | Github   January 2021 – April 2021
Graduate Project – Java, MySQL, Jira, Timberlea
- ➢ Designed and developed command line covid-19 contact tracer with help of a preexisting dataset and data extracted from the Bluetooth device, based on date and time.
- ➢ Finding a cluster of people and tracking them down if there had been any case of covid-19.

JavaScript Projects
Personal Projects
- ➢ Video Calling | Github
    - o Secure single-channel video calling between two devices.
    - o Allows multiple graphical filters for both the users.
    - o Always open application will start working instantly
- ➢ GIF Search Engine | Github
    - o Search any GIF from the internet with a single click. Develop using core JavaScripts.
- ➢ Earth-Wind | Github
    - o Find the wind flow in any part of the world. Fetching real-time wind data from the servers.