

# DHRUV DOSHI

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## EDUCATION

**Master of Applied Science, Computer Science**  
Dalhousie University | GPA: 3.9/4.3

2021-Expected Aug' 22

**Bachelor of Engineering, Computer Engineering**  
Gujarat Technological University | CGPA: 9.34/10

2016-2020

## SKILLS

**Programming Languages:** Solidity, Go, Python, Java, C++

**Blockchain:** Hyperledger Fabric, ERC-20, Remix, MetaMask, Ganache, Truffle.js,

**Artificial Intelligence:** TensorFlow, TFLearn, Keras, PyTorch, Scikit Learn

**Cloud Technologies:** AWS, GCP, Azure, Docker, Kubernetes, Heroku, CI/CD Pipelines

**Frameworks:** React.js, Vue.js, Django, Flask, Spring

**Databases:** MongoDB, MySQL, DynamoDB

**Tools:** GIT, JIRA, Postman

## PROFESSIONAL EXPERIENCE

**Blockchain Architect**  
HealthCard.Ca INC

March 2022 - Present

- Developing a verification engine for document verification automation with Blockchain protocols.
- Transforming the traditional reward function with the crypto reward function to have more leverage and accessibility for the platform moving ahead and developing the protocol that other organizations could also utilize.
- Developed using Ethereum, Hyperledger Fabric, Solidity, Python, React.JS
- Tools used Bitbucket, Jira, Remix, GCP, Kubernetes

### Teaching Assistantship

Delivered weekly labs for a group of fifty students, Guided and Evaluated Group Projects concerning Cloud Technologies, especially AWS Services.

- CSCI-1105 – Introduction to Computer Programming September 2022 – Present
- CSCI-5409 – Advanced Topics in Cloud Computing January 2022 – April 2022
- CSCI-1109 – Introduction to Data Science September 2021 – April 2022
- CSCI-2134 – Software Development September 2021 – December 2021

### 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. I was working with a considerable amount of transaction data.
- Selected by the Netherland government for funding and integration with 5AML D systems.
- Developed using Python, Go, Solidity, Node.js, MongoDB, AWS
- Tools used GitHub, Jira, Remix, AWS, Unix

### 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 six raid data backups with distributed systems, backed up by cryptocurrency DCScoin.
- Selected by Supreme Incubators, Delhi, for funding and further development.
- Developed using C, Python, Go, Solidity, Node.js, Ethereum, Ganache, Truffle, Flask, and Linux.
- 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.

## HACKATHONS

### SRM Hackathon

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

### DCB Bank Hackathon

- Invited to the first-ever fintech hackathon in the city because of my previous research work.
- Developed a 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

### Flight Price Agent | [GitHub](#)

September 2021 – December 2021

Graduate Project – Python, Pandas, TensorFlow, Scikit Learn

- Designed an agent who suggests to users whether they should buy the ticket at the given price or wait for a better price in future. All existing ML algorithms only predict the price, but this ensures that the user will have the ticket for sure and the best price.
- Developed models like CNN, SVM, Q-Learning, DQN, and DDQN with Python Libraries

### Cloud Booking Portal | [GitHub](#)

May 2021 – August 2021

Graduate Project – Nodejs, Python, AWS, CI/CD, Docker, Heroku

- Developed an online booking portal completely with AWS cloud services.
- Followed the SOLID principles, agile development, git workflow, AWS services, serverless approach, hosted the web application with Heroku and implemented ML and AI Insights within the project. Published docker image and made compatible with NPM packages for direct setup.

### JavaScript Projects

Personal Projects

- Blog Page | [Visit](#)
  - Blogs on Cloud Computing and Blockchain Technology.
- Video Calling | [GitHub](#)
  - Secure single-channel video calling between two devices.
  - Allows multiple graphical filters for both the users.
  - Always open application will start working instantly
- GIF Search Engine | [GitHub](#)
  - Search any GIF from the internet with a single click. Develop using core Java Scripts.

## CERTIFICATIONS

- Hacker Rank Gold level for Problem Solving and Python
- Machine Learning Certification from Stanford University
- Python & Machine Learning Certification from IBM
- Machine Learning Certification from Google
- Artificial Intelligence Certification from Nvidia