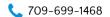
# SOURAV SARKER





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souravs.netlify.app

#### PROFESSIONAL SUMMARY

Resourceful computer science graduate passionate about software engineering and cloud technologies. A competent capable leader, having led multiple class projects to completion. Talented at object-oriented design, functional programming paradigms and infrastructure as code. Demonstrated mastery of Python, Java and Javascript as well as a passion for continual learning.

# **TECHNICAL SKILLS**

JavaScript **AWS** Python Terraform Java Flask Algorithms & Data . Flask-RESTful Structures **PostgreSQL** MongoDB Version Control Agile Environments • HTML-CSS

#### **EDUCATION**

M.S. In Computer Science Memorial University of Newfoundland 2019-2021

B.S. In Electronic and **Telecommunication Engineering** Southeast University 2008-2012

# **ONGOING PROJECT**

Real-time Traffic Map with Python, Selenium, Leaflet.js and Firebase.

#### **RELATED WORK EXPERIENCES**

Cloud Delivery Engineer (Co-op) Inmarsat, Mount Pearl, NL 2020-Winter

- Assisted in the development of automation capabilities to further the drive towards Infrastructure as Code (IaC).
- Played a role in the adoption and journey to the cloud, providing best practice guidance whilst supporting the migration of virtual and physical workloads into Amazon Web Services (AWS).
- Demonstrated my quick learning ability with a proof of concept by working on writing python code for an AWS Lambda function and CI/CD process.

### Assistant System Administrator

Transcom, Dhaka, BD Jul 2012 - Nov 2018

- Appointed as Network Engineer and then quickly promoted to Asst. System Administrator after a successful development of private cloud storage.
- Build an internal wiki with technical documentation, manuals and IT policies.
- Implemented new software applications and operating system roll-outs across business enterprise, including Sage ACCPAC and MYSQL.
- Researched and identified new technologies and tools helping to grow agile development environment.

# **PROJECTS**

- NeuroSAT, A Graph Neural Network Based SAT Solver (Python, Matplotlib, Numpy) Dec 2020
- Distance Measurement between objects in an image with & without perspective transformation (Python, OpenCV) Jul, 2020
- AWS S3 SFTP Bridge with Lambda Function (AWS, CloudWatch, JavaScript) Apr 2020
- **Data Visualization on Human Activities** (JavaScript, D3-JS, HTML, CSS) Nov 2019
- The Pig-Game based on JavaScript (Web App) (JavaScript, HTML, CSS) Aug 2019
- Google-Play-Store-Analysis Data Visualization (Python, Matplotlib, Numpy) Jun 2019
- Street View House Number Recognition Using Convolution Neural Networking (Python, CNN, Pandas, Numpy, Scikit Learn) Apr 2019
- Best Model Selection for Imbalanced Binary Classification Problem (Python, Machine Learning, Pandas, Numpy, Scikit Learn) Mar 2019

#### OTHER WORK EXPERIENCE

### **Graduate Teaching Assistant**

Memorial University of Newfoundland 2020-Fall

- Checked assignments, proctored tests, and provided grades according to university standards.
- Prepared guestions for guiz drills and assisted students in scheduled labs.

# EXTRA ACTIVITIES

Volunteer: Food Bank, Corte Real (Burton's Pond) Feb 2019

#### **CERTIFICATIONS**

- Ultimate Java Part2: Object-oriented Programming (MOSH-Mar, 2021)
- DevOps Foundations: Infrastructure as Code (LinkedIn-Feb, 2021)
- DevOps Foundations: Containers (LinkedIn-Feb, 2021)
- Continuous Integration: Tools (LinkedIn-Feb, 20201)
- M001: MongoDB Basics (MongoDB University-Jan, 2021)
- Terraform for AWS: Beginner to Expert (Udemy-Dec, 2020)
- Ultimate Java Part1: Fundamentals (MOSH-Aug, 2020)
- Build Data Visualization with D3.js & Firebase (Udemy-Jan, 2020)

<sup>\*</sup> References are available upon request.