

# Srishti Jain

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[github.com/srs721](https://github.com/srs721)

## Education

**Master's in Applied Computer Science, Dalhousie University**

**Sept 2022- Dec 2023(Expected)**

**Bachelor's in Computer Science, Acharya Institutes**

**June 2014-June 2018**

## Work Experience

**Teaching Assistant and Marker, Dalhousie University**

**Sept 2022- Current**

- Collaborated with professors to design and develop lecture contents for 100+ students for the courses **Web development, Computer Systems and Algorithms**.
- Conducted lab tutorials and office hours for student support and proctoring during exams and tests.
- Marked assignments and exams of more than 120 students.
- **Skills:** Communication skills, Team building, Leadership qualities, Presentation skills.

**DevOps Engineer, NTT Ltd.**

**May 2020-Aug 2022**

- Received 80% success rate by using Apache Airflow for controlling and automating **Ansible and ServiceNow workflows**.
- Developed ServiceNow workflow for automation that includes integration with Ansible and UiPath to eliminate the initial troubleshooting steps performed by L1 engineers on the client devices.
- Successfully implemented CI/CD pipeline using Azure DevOps as platform and developed Azure functions for various device health reports.
- Created **Kubernetes cluster** and deployed NodeRed application in AKS.
- Successfully acquired **Azure Fundamentals certification** during the initial training period.
- **Technical Skills:** Python, Apache NiFi, Git, Jira, Confluence, Azure Data Factory, API development.

**Associate Engineer, NTT Ltd.**

**May 2019-May 2020**

- Created pipelines using **Azure Data Factory** for data processing and inserting into MYSQL DB, which can be used by Power BI to reduce human involvement by 30%.
- Lead the development in **Apache Nifi** for the initial release for the project 'Unified Telemetry Aggregator' which reduced cost of up to 70%.
- Supervised team members by creating Jira board to hold team member's accountable for completing their assigned tasks.
- **Technical Skills:** Python, Apache NiFi, Git, Jira, Confluence, Azure Data Factory, **REST and SOAP APIs**.

## Skills

|                           |   |
|---------------------------|---|
| <b>Programming</b>        | Java, Python, C/C++, HTML/CSS, JavaScript, NodeJS                 |
| <b>Databases</b>          | MySQL, MongoDB, InfluxDB  |
| <b>Cloud</b>              | Azure - DevOps, data factory, Functions, Kubernetes, AWS services |
| <b>Other technologies</b> | Git, Confluence, Jira, Apache Airflow, Apache NiFi, Ansible       |

## Projects

**Best Electronics, Java, Spring Boot**

**Sept 2022- Dec 2022**

- Built an electronics shopping web app which is a one place shopping destination for all your electronics.
- Designed using **TDD, SOLID principles and design patterns** which resulted in 95% code and test cases coverage.
- Used MySQL database and created stored procedures for reducing the query time and improving data layer isolations.

**Café Management System, AWS**

**Jan 2023 – Apr 2023**

- Create dynamic website for a Cafe **using EC2 instance and S3 storage bucket** which resulted in high availability and reliability by creating AMI and deploying in two different AWS regions.
- Used Amazon RDS, VPC created IAM roles and created a serverless architecture by using AWS Lambda functions this increased the security and isolation between the services.

**Automated Irrigation System, ML and IOT**

**Jan 2018-June 2018**

- Developed a smart irrigation mobile app which can predict the diseases in leaves using **SVM model**, that gave an accuracy of 80%.
- Used IOT sensor to check the physical condition of soil and various other environment sensors like temperature, humidity and soil moisture sensor which are comparatively cheaper and very easy to use.