

# Srishti Gupta *Junior Research Fellow*

📍 India

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## Professional Experience

### Trivedi Centre for Political Data,

Junior Research Fellow ☑

06/2021 – present | India

Working at the intersection of data and political science.

### Alstom, Fleet Performance Engineer

01/2020 – present | India

- Derived insights in-order to proactively resolve the issues and meet contractual requirements. Stabilized project KPI in 7 months of ~2.4 M Euro (FY20-21) potential impact.
- Established functional KPIs to monitor fleet performance and increase operational efficiency. Spearheaded process establishment and streamlined gaps with stakeholders.
- Managed project-cum-functional risks (~6 Million Euro) and opportunities (~12.14 Million Euro) to ensure and improve financial performance. Avoided risk (~2.1 Million Euro FY20-21) in one of the project KPI with effective root-cause analysis and implementation of actions.
- Conceptualized and implementing data integration and automation activities.

### Alstom, Quality Management System Engineer

07/2019 – 12/2019 | India

- Delivered QMS conformance with ISO 9001:2015 standard with 0 non-conformance for greenfield site.
- Facilitated Alstom process and tools deployment and achieved highest Strong Points (13) among sites in India.
- Organized process reviews and facilitated Management Review. Conducted External & Internal Stakeholder Analysis and derived integrated action plans.

### Alstom, Graduate Engineer Trainee

07/2018 – 07/2019 | India

### The Remote Life, Summer Intern

06/2017 – 07/2017 | India

- Worked toward building and accelerating engagement in the Remote Life Community.
- Conducted secondary research and analysed information to support the business's next line of action.

## Education

### IIT Madras, B.SC Online Degree in Programming and Data Science

01/2021 – present

Statistics, Computational Thinking, Mathematics for Data Science

### National Institute of Technology, Kurukshetra, Bachelors of Technology in Electrical Engineering

07/2014 – 06/2018 | Kurukshetra, India

GPA: 9.06/10

## Fellowship

### Learn IT, Girl Fellowship ☑

- Developed a Computer Vision tool deploying Machine learning techniques with Python.

## Projects

### Alternative, Object Detection System

03/2019 – 06/2019

- *Alternative* identifies and classifies the object in real time images captured through web cam.

### Nonlinear Robust Observer Based Controller Design For High Speed Trains,

B.Tech Major Project

01/2018 – 06/2018

- Developed a controller based on a robust observer for High Speed Trains. Conducted feasibility testing for the proposed control scheme through simulations.

## Skills

Python, OpenCV, C++, R

Machine Learning - Linear Regression, Logistic Regression, K-nearest Neighbors, Naive Bayes, Decision Tree, Random Forest

Jupyter Notebook, Google collab

Data Science Library's: NumPy, Pandas, SciPy, Scikit-learn, Matplotlib, Seaborn

## Awards

### Top 5 Finalist in International Level Competition 2018, Dhillon Marty Foundation, Japan ☑

Top 5 finalists for the 'Phrase of the Year' for State of the community 2018 competition by Dhillon Marty Foundation, Japan.

### Merit Scholarship, NIT Kurukshetra, India

Awarded Merit Scholarship for securing 3rd rank in department in 1st year.

### Featured by Alstom and Yourstory, Yourstory

These women engineers at Alstom are breaking stereotypes, one shop floor at a time. ☑

### India Development Week 2020 Speaker, Alstom India

## Volunteering Work

### United Nations Online Volunteering, Research and Analysis

- Conducted secondary research and analysis for research paper on *Research on children and youth migration in Nepal* with Dr. Michael Boampong ☑.

### Centre for United Nations, Campus Ambassador

Anubhuti Trust, Report writing