

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 – 05/2021 | 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