



# SHAHRIAR KARIM SAUROV

DATA  
ANALYST  
&  
MACHINE  
LEARNING  
SPECIALIST

LINKEDIN

GITHUB

## LANGUAGES

- English - Fluent
- Finnish - Novice
- Bengali - Native

## ACHIEVEMENTS

- Data Analyst with Python, DataCamp.com (February 2020).
- Data Visualization with Tableau Specialization by University of California, Davis from Coursera (January 2020).
- Statistical Simulation in Python, DataCamp.com (December 2019).
- Data Manipulation with Python, DataCamp.com (November 2019).
- Data Visualization with Python, DataCamp.com (October 2019).
- Data Manipulation with R, DataCamp.com (September 2019).
- Data Visualization with R, DataCamp.com (August 2019).
- Intermediate Tidyverse Toolbox Track, DataCamp.com (August 2019).

## PROFILE

Shahriar is a multitasking Data Analyst & AI Software Developer. He is highly proficient in Data Analysis with Python and R as well as Full Stack Development with MERN Stack. Having earned a Master of Science, Shahriar has led a postgraduate research team at the University of Helsinki for over a year. Shahriar is a great team player who loves teamwork and dedicates himself fully to solving the problem at hand. He is eager to continue expanding and perfecting his knowledge while making a valuable contribution to cross-functional development teams.

## RECENT PROJECTS

### COVID-19 Analysis

Pandas, Plotly, Folium

An in-depth analysis of the Covid-19 Pandemic dataset from Johns Hopkins University and Terveyden ja hyvinvoinnin laitos (THL).

### A Visual History of Nobel Prize Winners

Pandas, Seaborn, NumPy, Matplotlib

An exploration of all the Nobel prize winners from the start of the prize in 1901 to 2016.

## SKILLS

**Programming Languages:** C, JavaScript, MATLAB, Python, R.

**Data Analysis:** Python (Dask, NumPy, Pandas), R (dplyr, readr, tidy, tidyverse).

**Data Visualization:** Bokeh, Folium, Matplotlib, Plotly, Seaborn.

**Database Management:** PostgreSQL, MongoDB.

**Machine Learning:** Scikit-learn.

**Image Processing:** OpenCV2.

**Full Stack Web Development:** CSS3, Django, Express.js, Flask, HTML5, JavaScript, Node.js.

**Other:** Big Data (Apache Spark), Business Intelligence (Tableau), DevOps (GitHub), OS Platforms (Linux, Windows).

## EXPERIENCE

### Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | April 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scraping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dived into Deep Learning and Computer Vision.
- Handled Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

### Housekeeper & Team Leader

SOL | Helsinki, Finland | August 2018 - February 2020

- Served as a team leader and managed other housekeepers.

### Research Assistant

X-Ray Lab, University of Helsinki | Helsinki, Finland | December 2016 - July 2018

- Managed other Researchers in the team.
- For the research, used different characterization techniques to detect the structure of soft matter.
- Worked extensively with Matlab.

### English Tutor

Mentors | Sylhet, Bangladesh | December 2012 - June 2014

- Prepared students of different proficiencies for IELTS and TOFEL tests.

## EDUCATION

### M.Sc. in Physics, specializing in Materials Science

University of Helsinki | Helsinki, Finland | August 2014 - July 2018

### B.Sc. in Physics

Shahjalal University of Science and Technology | Shahjalal, Bangladesh | January 2009 - December 2012