



# Hritwij Shrivastava

## Contact



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## Skills

Python ★★★★★

Machine Learning ★★★★★

Statistics ★★★★★

Web Development ★★★★★

React JS ★★★★★

Node JS ★★★★★

SQL / MySQL ★★★★★

Mongo DB ★★★★★

AWS ★★★★★

## Summary

- Passionate about data science with certification in Statistics and Machine Learning from **MIT MicroMasters** Program.
- Working Experience & Extensive knowledge in Machine Learning and Deep Learning with libraries such as NumPy, Pandas, Matplotlib, **PyTorch**, **Scikit-learn** and Keras.
- Worked on tools like Jupyter Notebook, Google Colab and Visual Studio code.
- Awarded 100% **Scholarship** by Times of India & Hero Vired for MIT ML MicroMasters program.

## Work History

**Assistant System Engineer-Trainee | TCS** 08/2021 - Present  
Bhubaneswar

- Collaborate with development teams to prioritize and remediate vulnerabilities throughout the software development lifecycle.
- Determines security violations and inefficiencies by conducting periodic audits.
- Knowledge of NVD, SAST, DAST threats and vulnerabilities, and performing web application security assessments.

**Full Stack Web Developer | Hillman Pvt Ltd** 10/2020 - 01/2021  
Kolkata

- Used Javascript, **Python** / Django and HTML to develop app-solutions.
- Developed efficient and maintainable software according to business objectives and needs of clients.
- Reviewed code, debugged problems and corrected issues.

## Education

**B. Tech: Electronics and Instrumentation** 7.61CGPA

Techno India – Kolkata

08/2016 – 08/2020

**XII<sup>th</sup> : PCM** 72.2%

College of commerce – Patna

06/2013 – 06/2015

**X<sup>th</sup>** 80.4%

Marwari High School – Patna

06/2012 – 06/2013

## Achievements

- 100% Scholarship By Hero Vired for MIT (Massachusetts Institute of Technology) statistics courses
- Rated 2 star on CodeChef for Python coding

## Hobbies

- Teaching
- Cooking

## Projects

### Case Study-Retention Analysis for Spanish Bank from customer behaviour data

- Created a data quality report with the help of **Pandas** and **Seaborn**.
- Processed the Raw Data using Data Engineering Concepts.
- Performed statistical analysis such as **hypothesis** testing to report data insights.
- Maintained a repository for the code changes in **Github**.

### Sign language detection and speech conversion using AI and Deep Learning

- Designed and developed system that detect sign language and translate it into audio.
- Interpreted all 26 alphabet of English language and 5 other signals.
- Applied **Computer vision** to detect the image & pre-process the images.
- Used Pytorch for creating **CNN** model and training model on large dataset by using parallel computing architectures such as **MPI**.

### Automatic Review Analyzer - Sentiment analysis of Amazon product reviews

- Designed a **classifier** to use for sentiment analysis of product reviews.
- Implemented various types of linear classifiers such as **perceptron** algorithm, average perceptron algorithm, and the **Pegasos** algorithm.
- Model was able to classify test data with an accuracy of **80.2%**.