

# Manas Mishra

[LinkedIn](#) [Github](#)

Email: manasparasar@gmail.com

Mobile: +91-7837291812

## EDUCATION

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- **Dr. B.R. National Institute of Technology, Jalandhar**

*B.Tech in Instrumentation and Control; CGPA: 7.96/10.0*

Jalandhar, India

July. 2018 – July. 2022

- **Kendriya Vidyalaya AFS Chakeri**

*Senior Secondary; Percentage: 94.8*

Kanpur, India

Apr. 2016 – May. 2017

## EXPERIENCE

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- **Samsung Research and Development Bangalore**

*Software Engineer Intern*

Bangalore, India

Jan. 2022 - Present

- Working on Perceptual Encryption on Textual Data for Privacy Protected Deep Learning Networks. It is a research-oriented project in which we are devising a new approach for encrypting textual data such that when we put this data on the cloud for training deep learning models of any scale it avoids information leakage due to any adversarial attacks possible.
- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn.

- **Chattel Technologies Pvt LTD**

*Python and Machine Learning Intern*

Bangalore, India

May. 2021 - Jul. 2021

- Worked with software development and testing team members to design and develop robust solutions to meet client requirements for functionality, efficiency, and accuracy. Worked on multiple mini-projects involving data preprocessing, model building, and testing.
- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn, MongoDB, SQL.

## PROJECTS

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- **Crypto Trading**

- Project-based on Time Series Forecasting. A live crypto market univariate data is fetched and then fed to the Time Series model for a variable number of future time steps prediction.

<https://github.com/hungrycarpet/Crypto-Trading/>

- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn, python-binance, mplfinance, icecream library.

- **Real-Time Tremor Magnitude Prediction using USGS Earthquake data (Quakedet)**

- A Machine learning research-based project where we cleaned and analyzed the data coming on the fly from USGS official site. We also tried making a prediction using the processed data and surprisingly the results were favorable.

<https://github.com/hungrycarpet/Quakedet>

- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn, Matplotlib, CSV, XGboost, speech recognition module.

- **Classifying BBC news into the topic**

- Built a system that can accurately classify previously unseen news articles into the right category and evaluate it using Accuracy and F1 score as a metric.

<https://github.com/hungrycarpet/Classifying-BBC-news-into-topics-Embedding-Conv-MLP>

- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn, Matplotlib.

- **Poem generation with Bi-directional LSTM**

- Used LSTM layers to predict the next word of an input text sequence.

<https://github.com/hungrycarpet/Poem-generation-with-Bi-directional-LSTM>

- **Tech Stack:** TensorFlow, Numpy, Pandas, Python, Sklearn, Matplotlib.

## PROGRAMMING SKILLS

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- C++, Python, MySQL, MongoDB, TensorFlow, Sklearn, Matplotlib, Pandas, Numpy, C, Data Structures, and Algorithm.

## ACHIEVEMENTS

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- Cleared Advanced level of Samsung's Global Software Competency Certification.
- Led Our Team for E-yantra Competition, Qualified till the 2nd round.
- Managed events in TechNITi (Technical Fest) which were Micro-Robo Wars and Zomato Robotics. Conducted webinars on topics like Technology advancement in the field of Instrumentation and Control.