

# My Internship Experience

eXtesoData Private Limited



Aayush Paudel

# BACKGROUND

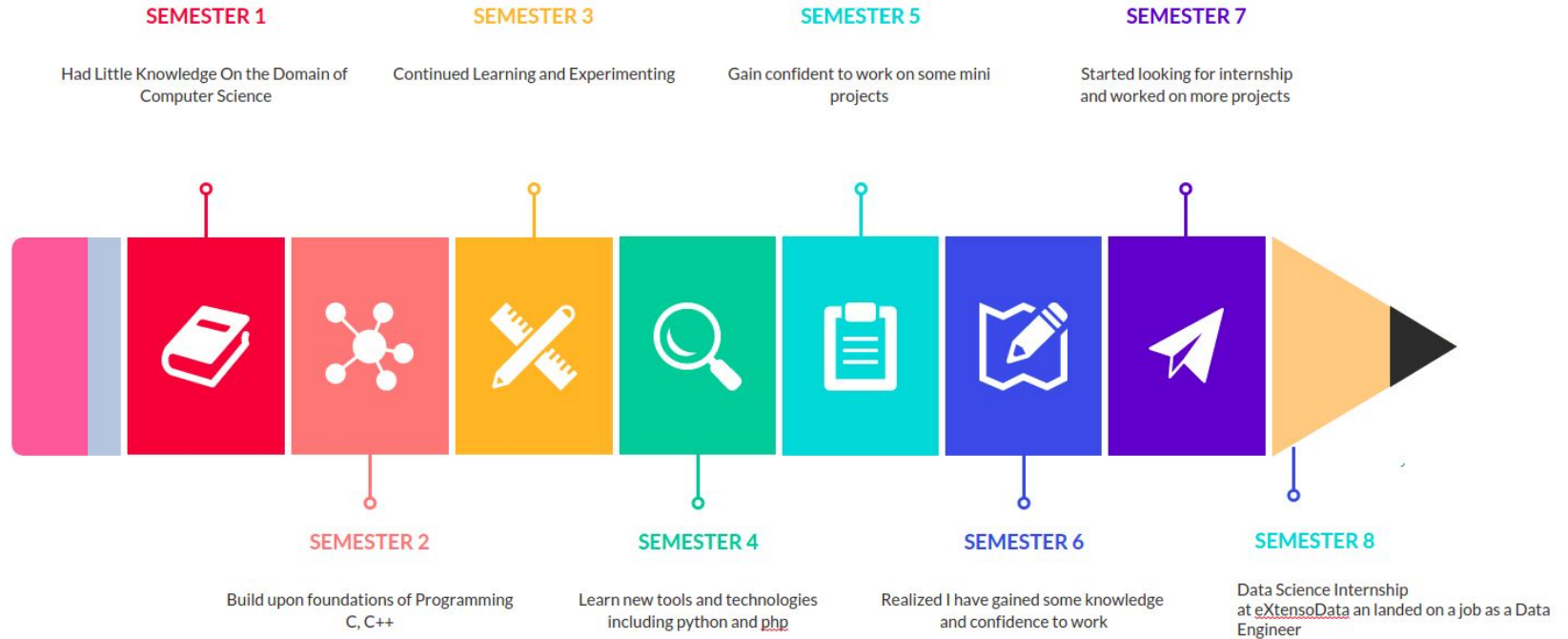
Internship supervisor: Er. Susma Pant

College Supervisor: Mr. Yuba Raj Devkota

Internship Duration: 3 months (15th Dec - 18th March)



# A JOURNEY



# ABOUT EXTENSODATA

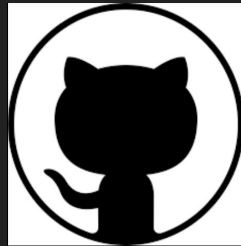
- Unleash your X-factor
- Vertical of f1Soft Group
- A Data Analytics Based Company
- Since 2018
- Financial Domain
- Focuses on data driven decision
- Collaboration with fonепay and e-sewa
- Product like foneloan, a virtual credit card
- Creating a value out of Data

The logo for extensoData is displayed within a white rectangular box. The word "extenso" is in a black, lowercase, sans-serif font, and "Data" is in a red, uppercase, sans-serif font. A red 'X' is positioned between the two words, with its horizontal bar extending to the left, crossing through the 'e' in "extenso".

# INTERNSHIP TASKS

- TOOLS AND TECHNOLOGICAL ASPECTS
- A DATA ENGINEERING ASPECT
- A DATA SCIENCE ASPECT

# TOOLS AND TECHNOLOGIES USED



# PROJECT SCHEDULE

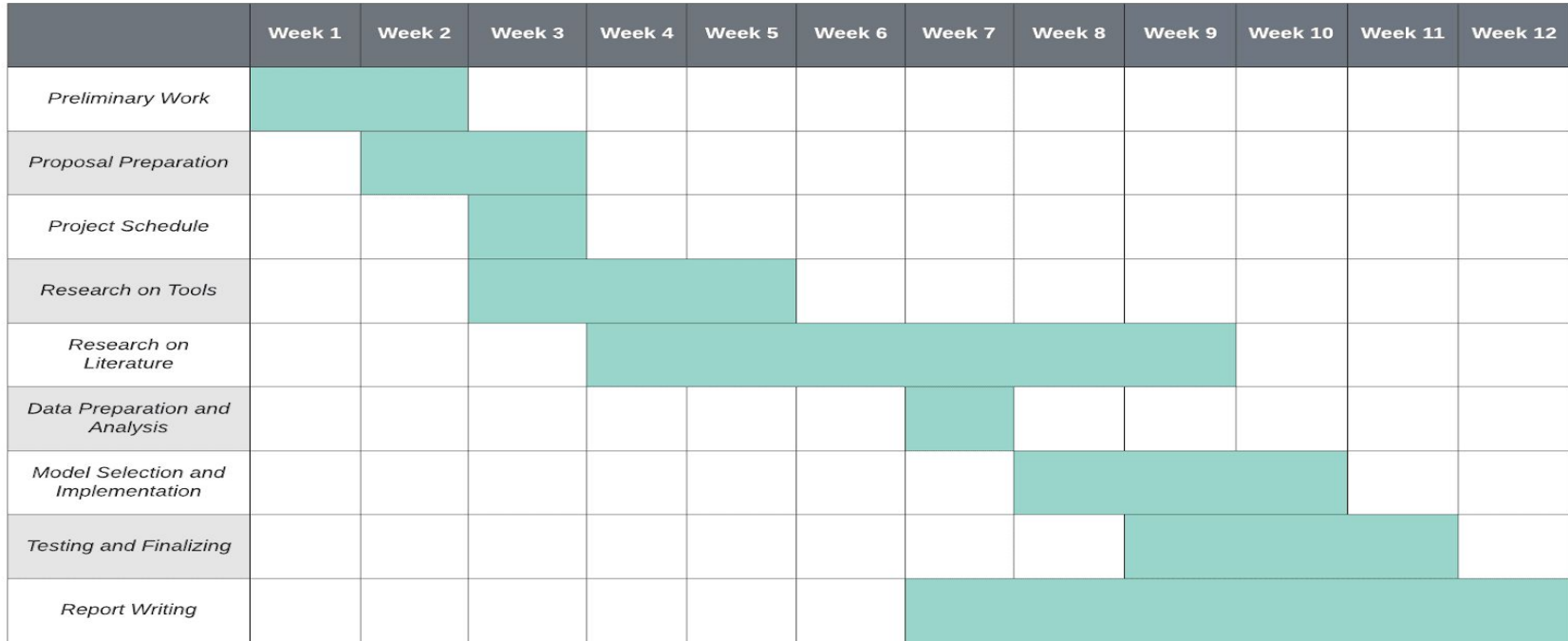


Figure: A Gantt Chart

# NEPALI DIGIT RECOGNIZER

- A MultiLayer Perceptron Model
- Subset of DHCD datasets
- Tensorflow and OpenCV JS
- Creating Value out of Data



# THE DATA SCIENCE LIFECYCLE

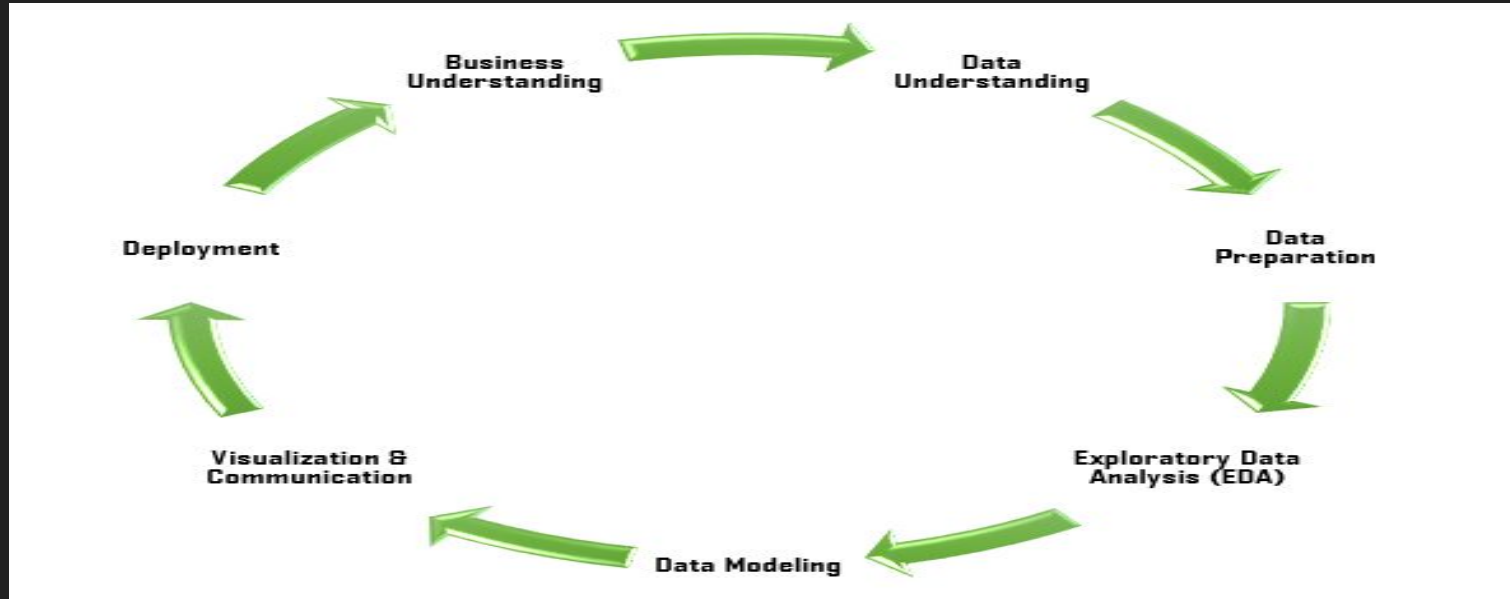


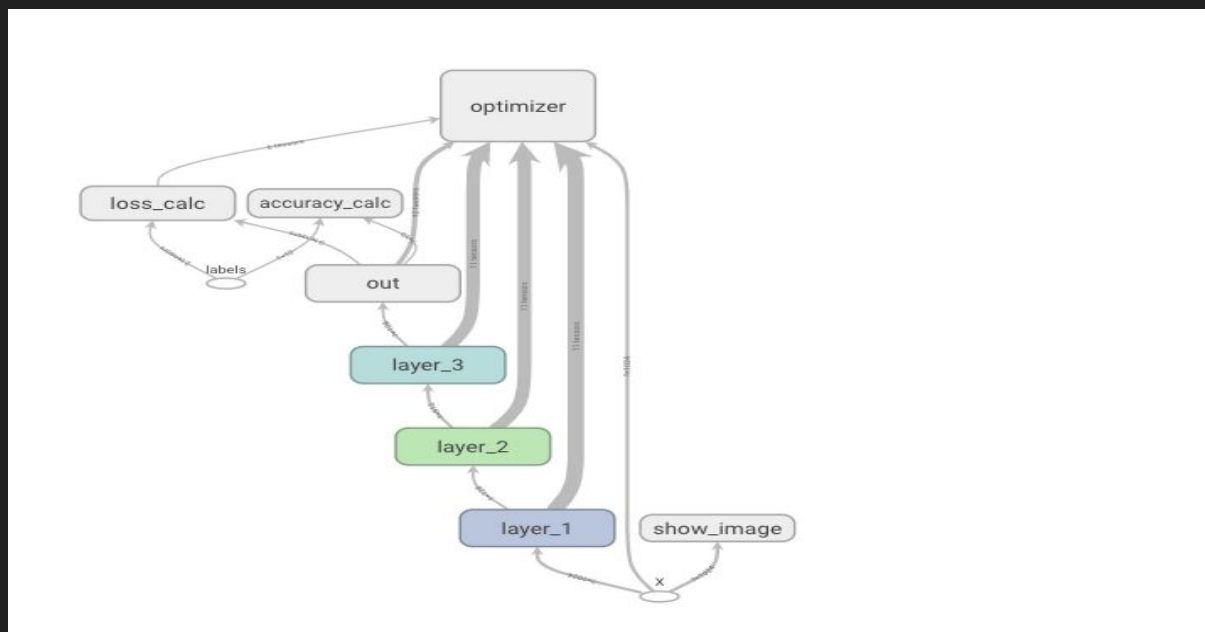
Image Source: u2mknowledge

# ABOUT THE DATA

- Inspired from MNIST dataset
- 32x32 grayscale images
- Rescaled, Flattened, One-hot Encoding
- 15% Validation split



# ARCHITECTURE



# TAKEAWAYS

- Batching
- Train, Test, Validation Split
- Hyperparameters
- Tensors
- Loss (Cross Entropy) and Optimizers (Adam)
- Tensorboard
- file write and summary
- Namespaces

# HOME PAGE

aayush360.github.io/Nepali\_Digit\_Recognizer/

## नेपाली क्यालकुलेटर

० + ४ = 

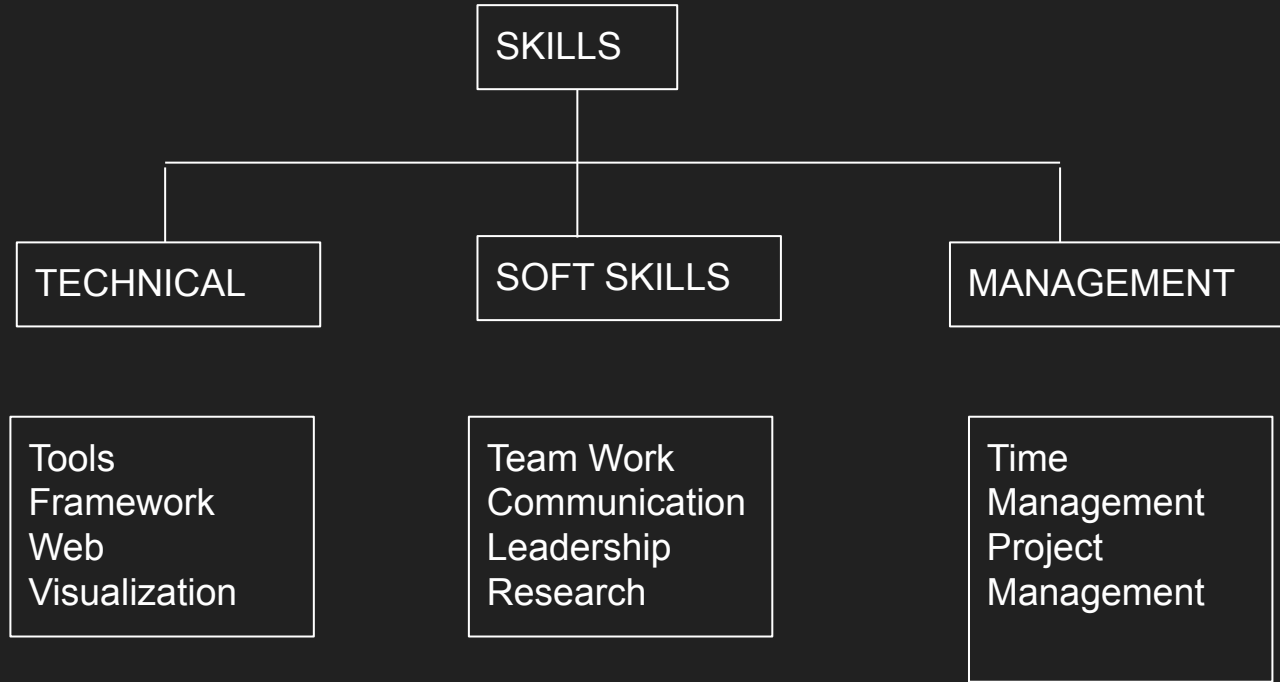
जाँच गर्नुहोस्

Actual= ३ VS. Predicted= ३

Score= 0

Demo [https://aayush360.github.io/Nepali\\_Digit\\_Recognizer/](https://aayush360.github.io/Nepali_Digit_Recognizer/)

# WHAT DID I LEARN?



# IMPACT

- Further Education
- Soft Transition
- Growth - Critical Thinking and Analysis
- Lead the team and Projects
- Opens up the whole new world

# CLOSING THOUGHTS

*"It has been a rewarding experience that helped to bridge the gap between academics and industrial practice. Everything we have learnt during our bachelor studies is indeed proven to be useful in one way or the other. I guess it has open up a new horizon to our professional life"*

- *With challenges comes opportunities*
- *Exploring financial Domain*
- *Never Ending Yet Exciting Journey*



# Thank you!!

Aayush Paudel