

MU SIGMA

DO THE MATH

Chicago, IL
Bangalore, IN

www.mu-sigma.com

The Art of Networking

by Prabakaran Chandran

Thursday Learning Hour

23 June 2022

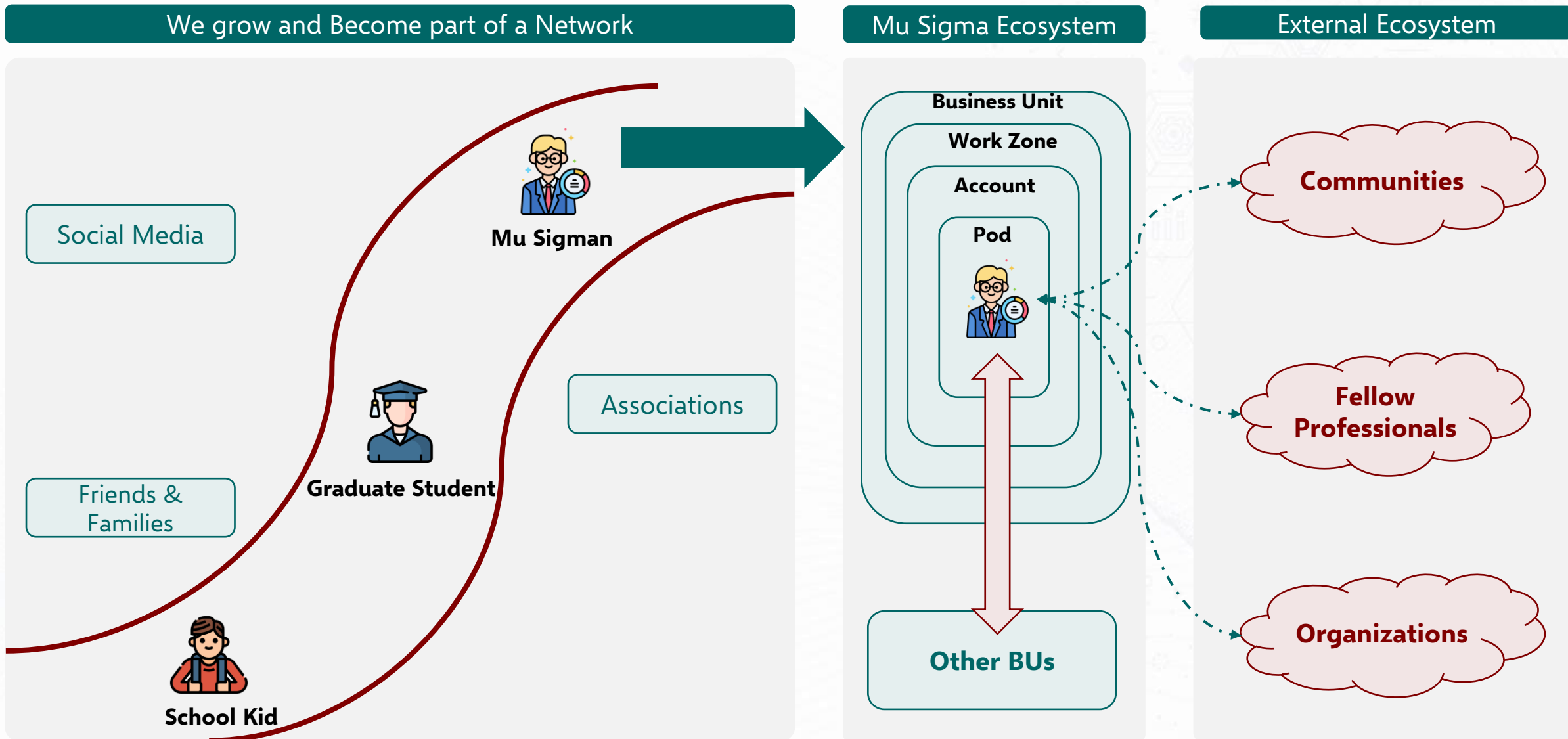
Proprietary Information

"This document and its attachments are confidential. Any unauthorized copying, disclosure or distribution of the material is strictly forbidden"

What are we going to learn today ?

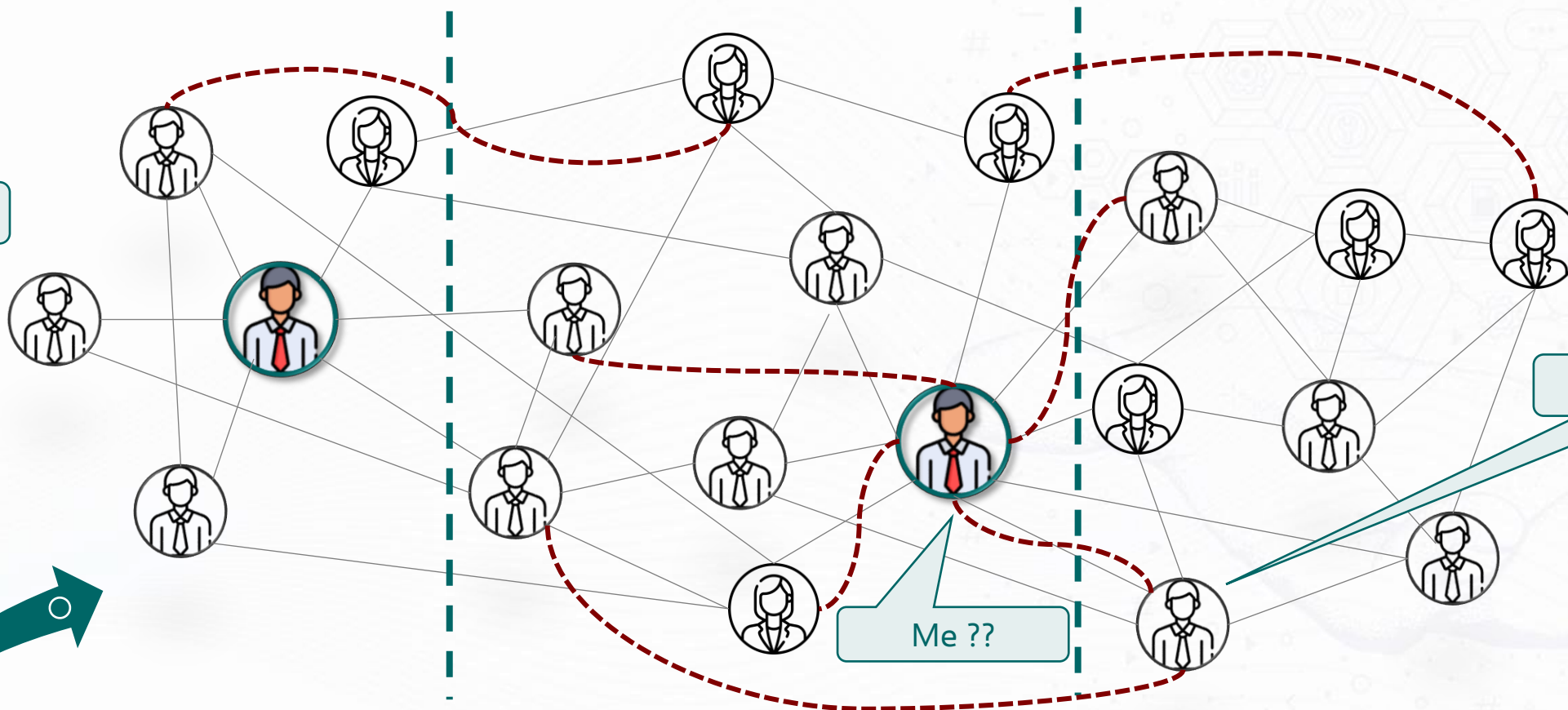
1. What is Networking ?
2. Why is it Important ?
3. Towards Efficient Networking ?
4. Using the Channels Wisely
5. Networking for Techies and Business Folks

Networking | What is it Actually ?



Networking | Where are you in the Network ?

Compass to Navigate Opportunities and Growth | Ensuring Mutual Benefits via Interactions and Engagements



Beyond the Institutional Borders

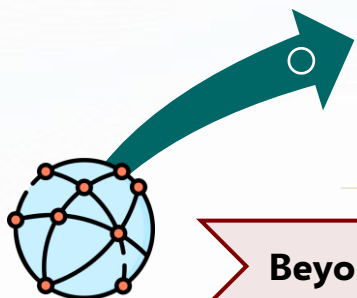
Never-ending Interactions

Knowledge sharing at Scale

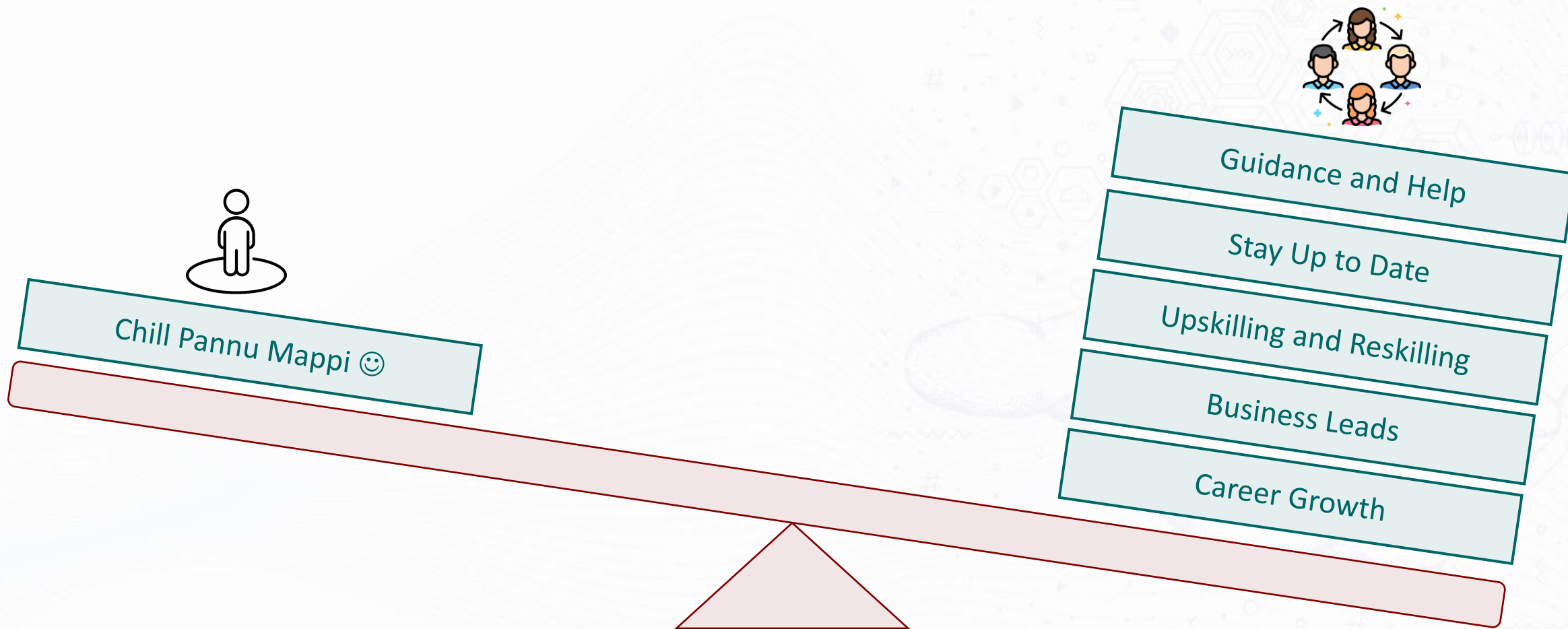
Are you here ?

Me ??

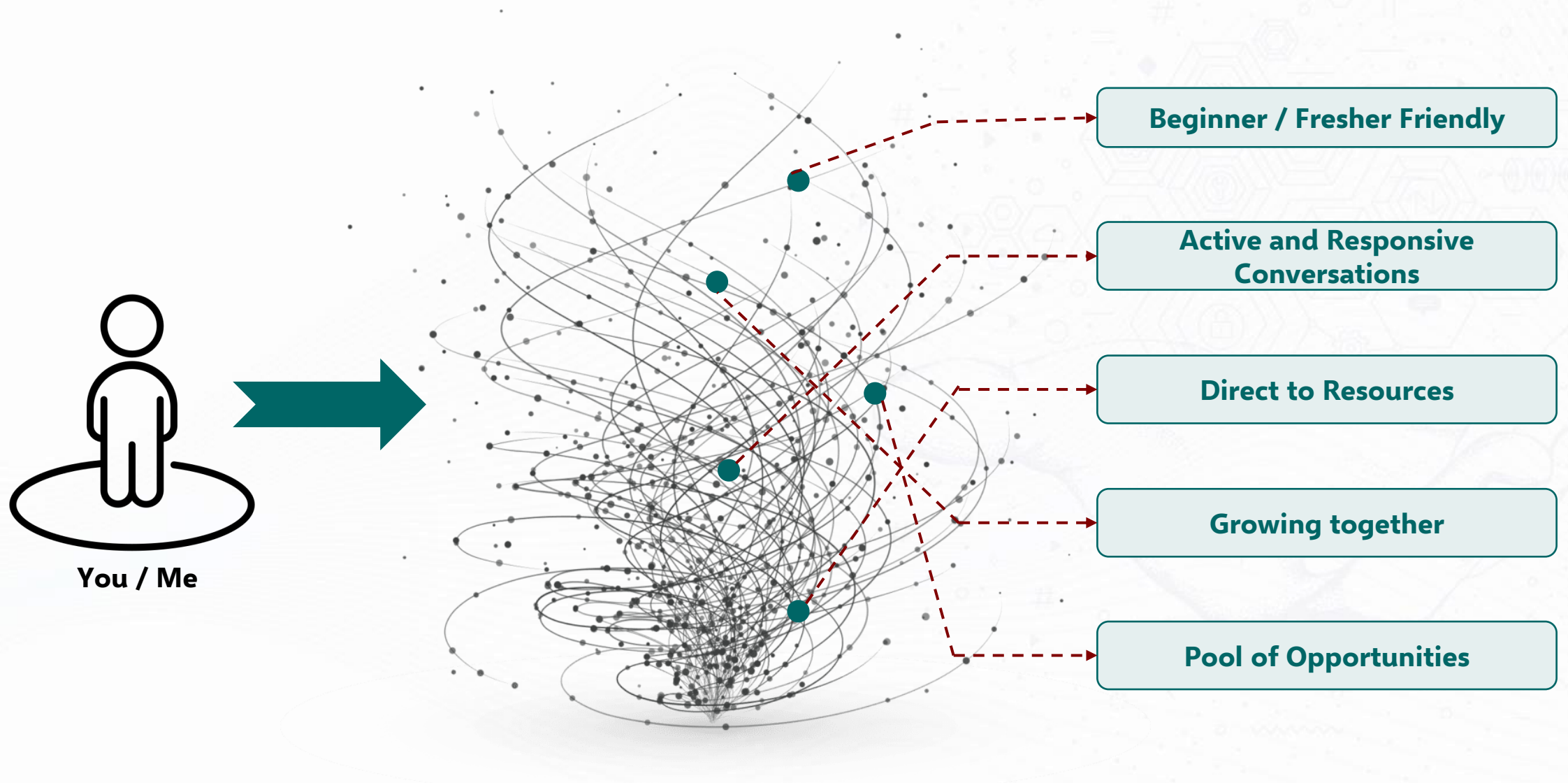
Is this you ?



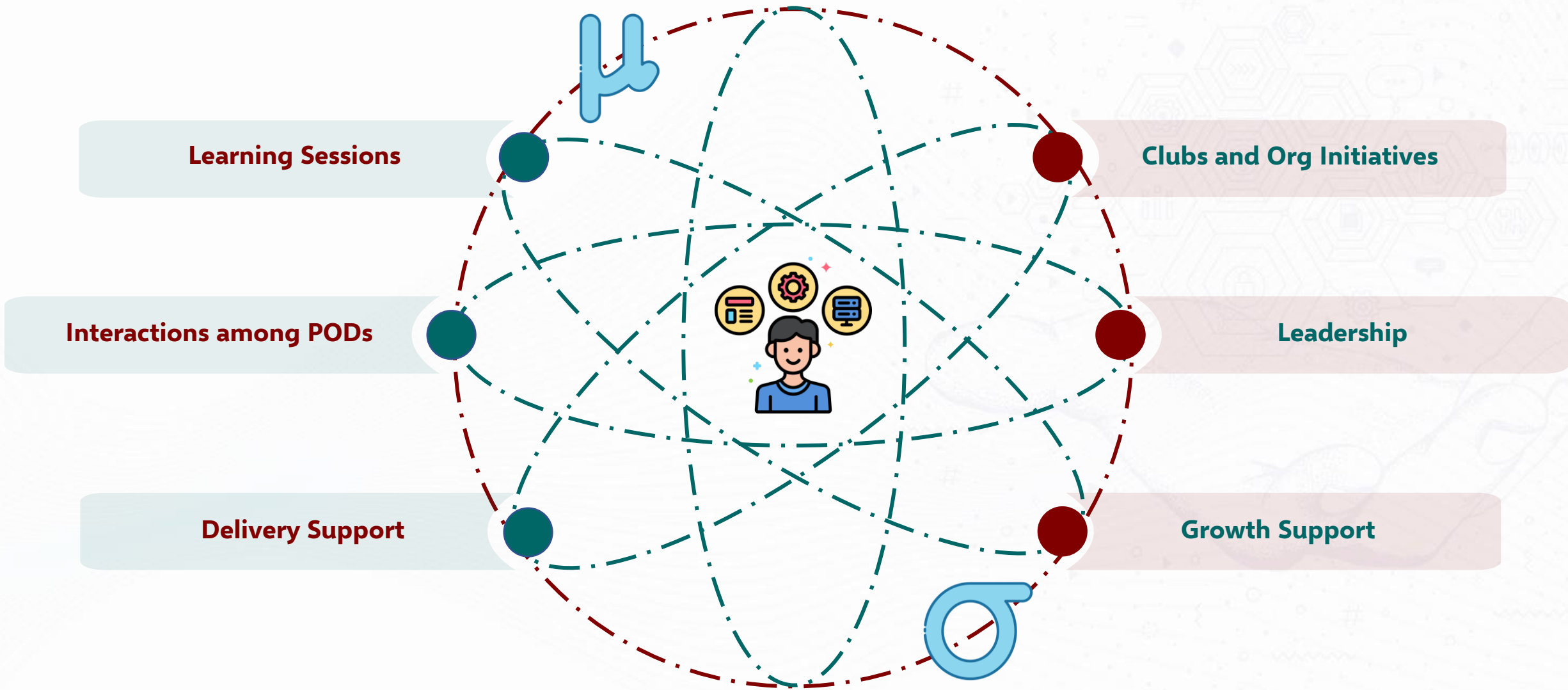
Networking | Why is it so Important?



The Art of Networking | Do you want to be in a Better Network ?



The Art of Networking | Networking inside Mu Sigma



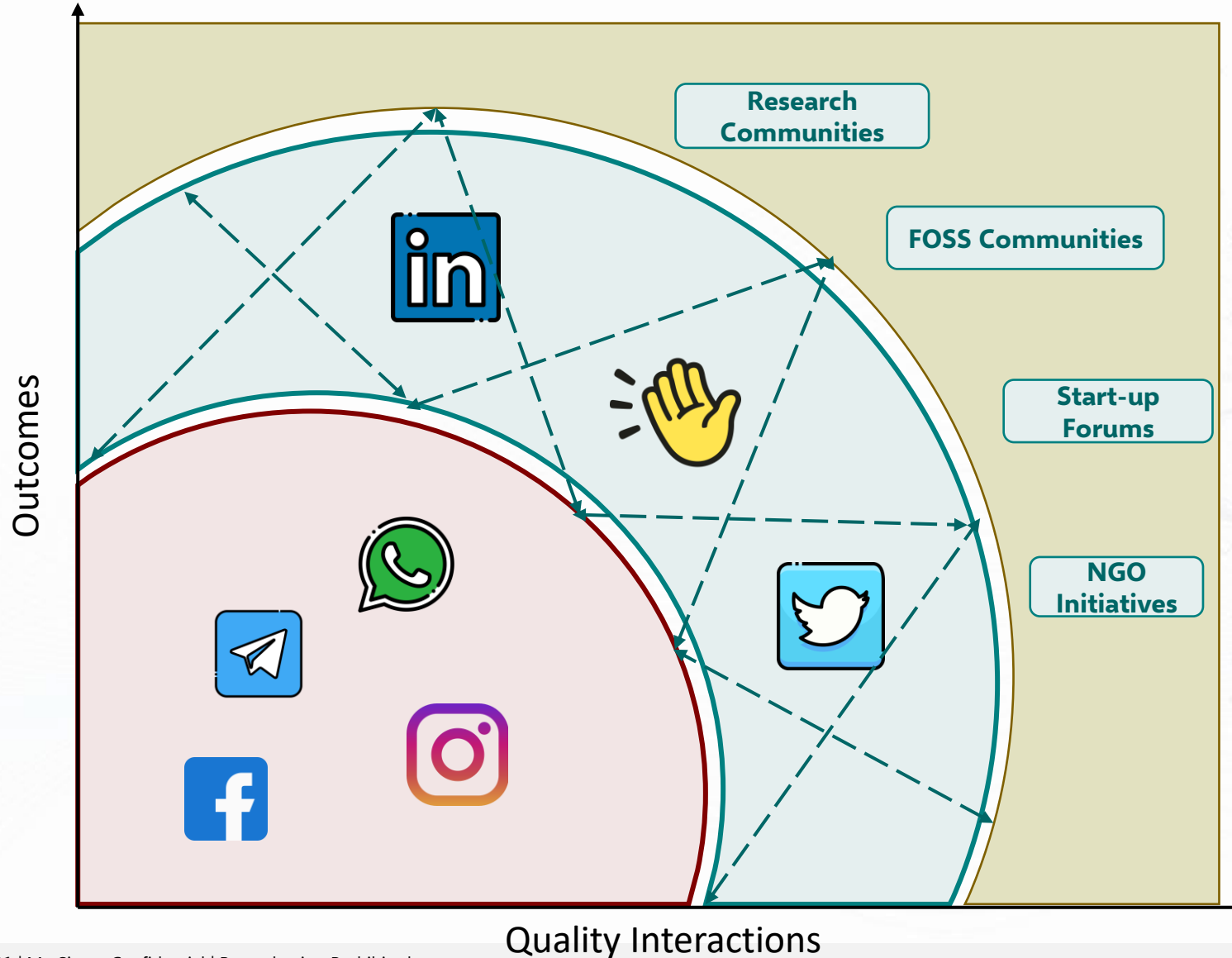
The Art of Networking | Networking as a Decision Scientist



The Art of Networking | Networking as an Apprentice Leader



The Art of Networking | What are the different Channels?

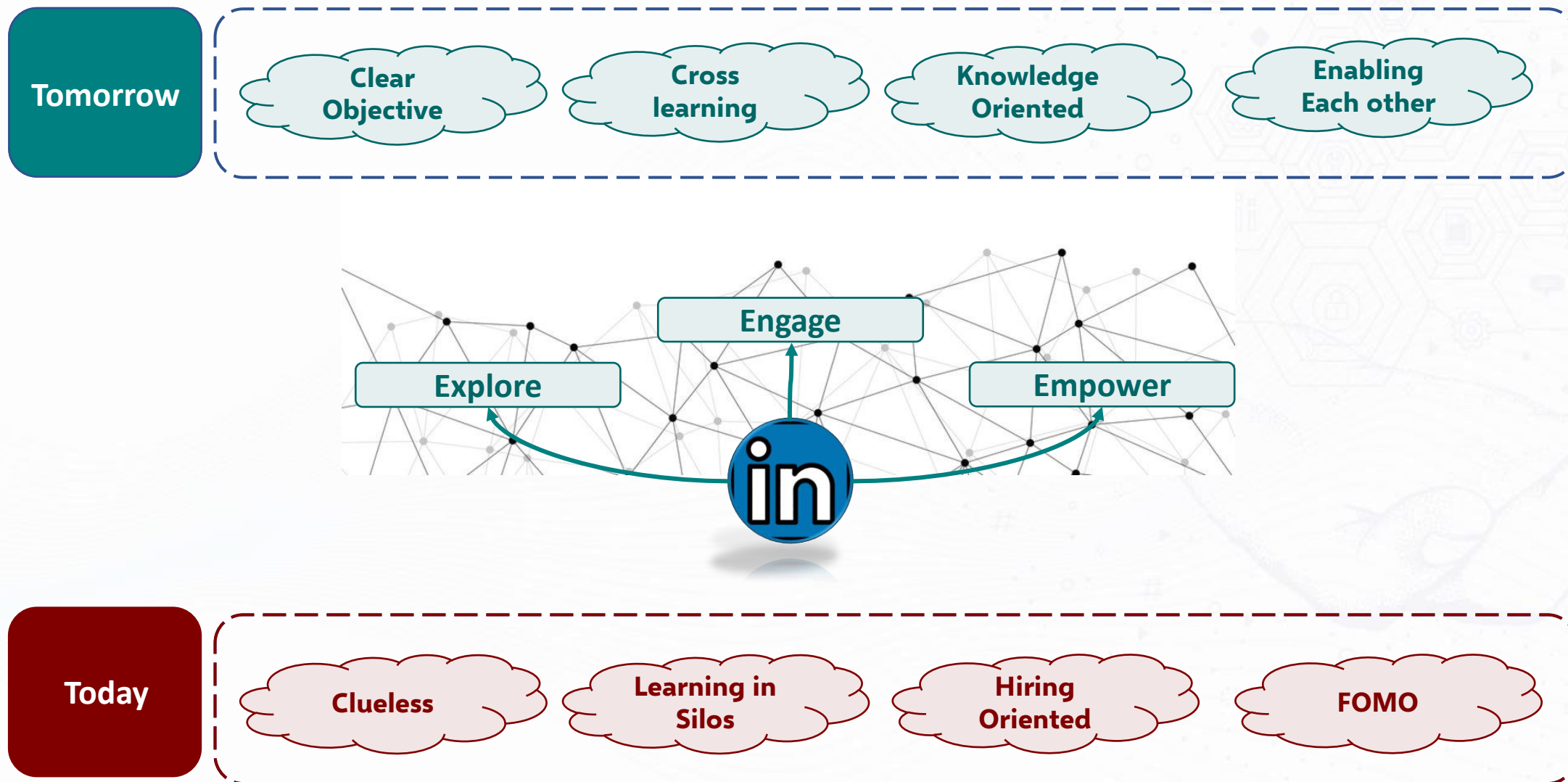


- Effortless and Impact less

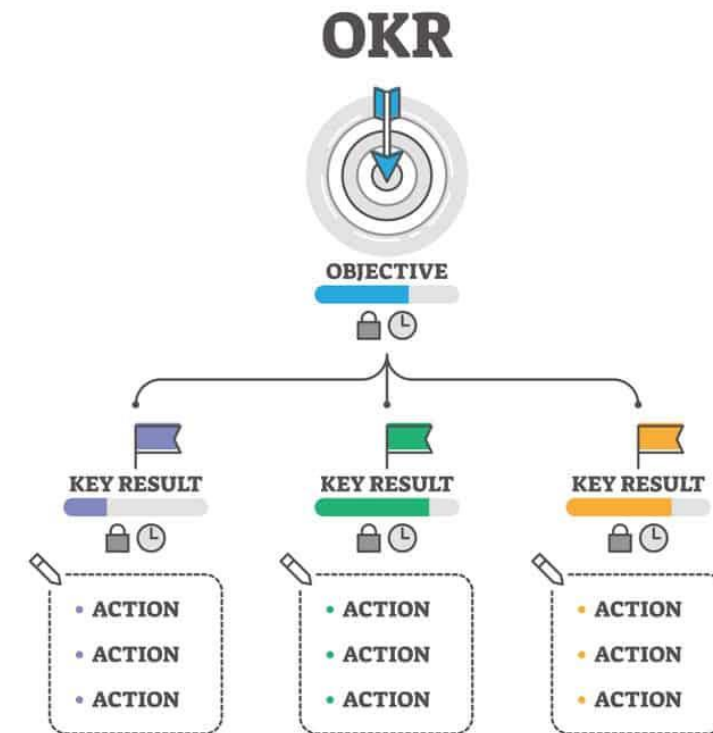
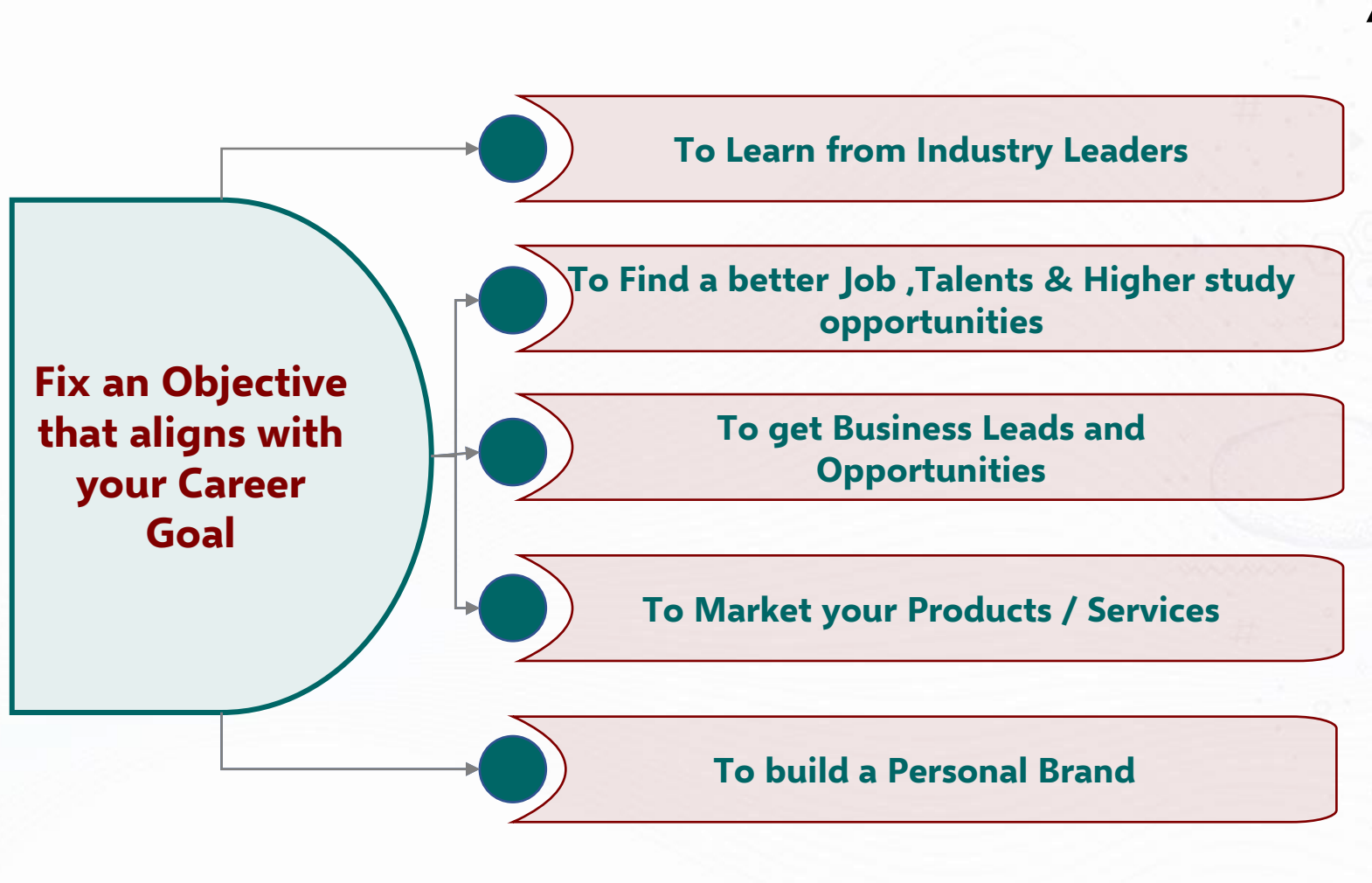
- Effective and Beginner Friendly

- Goal Oriented

The Art of Networking | How can we use LinkedIn for Effective Networking?



LinkedIn Networking | Fix your Objective



LinkedIn Networking | Decide Your Audience



Students and Beginners



Practitioners & Working Professionals

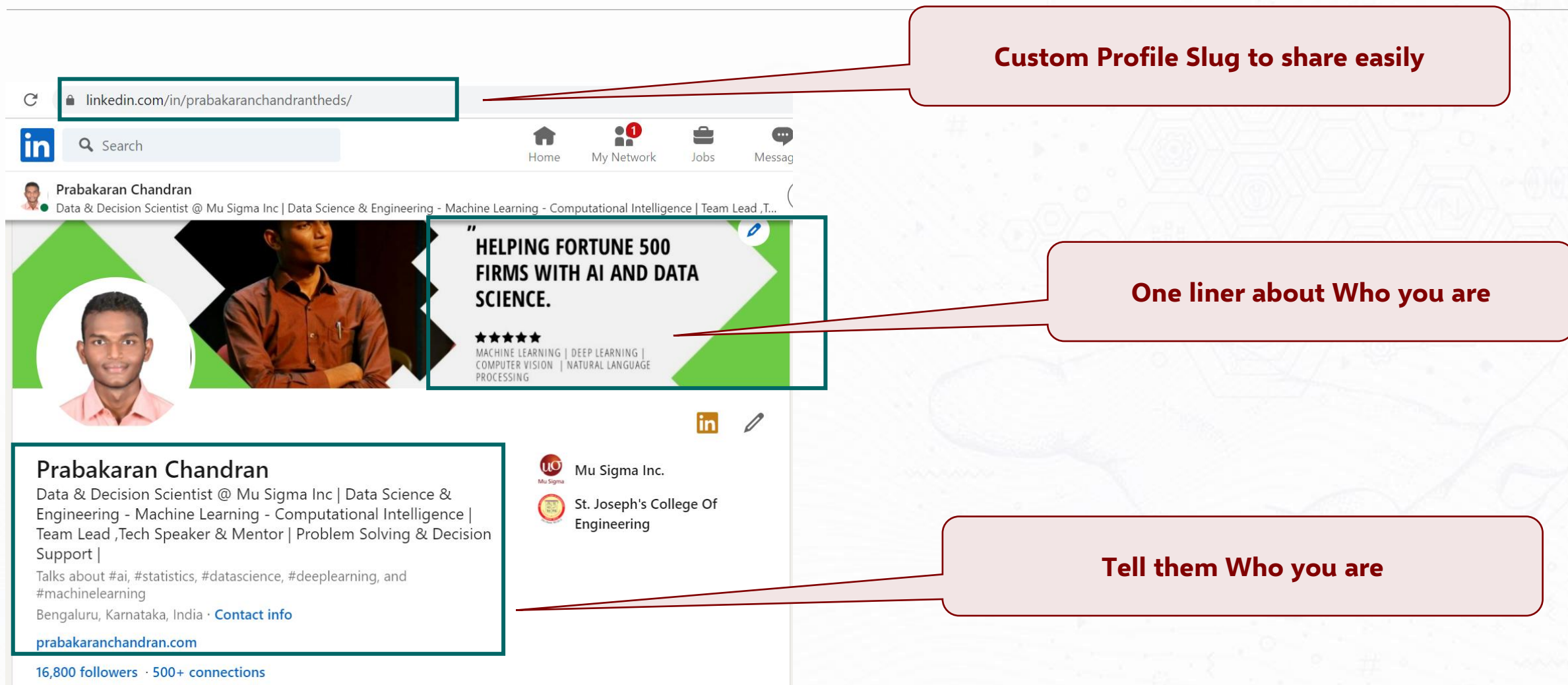


Academia & Research



Business Leaders & CXOs

LinkedIn Networking | Profile brings the best Impression



The image shows a LinkedIn profile for Prabakaran Chandran. The profile includes a custom profile slug, a banner with a one-liner, a detailed bio, and a list of affiliations. Three callout boxes point to specific features: the profile slug, the banner one-liner, and the affiliations section.

Custom Profile Slug to share easily

One liner about Who you are

Tell them Who you are

Prabakaran Chandran
Data & Decision Scientist @ Mu Sigma Inc | Data Science & Engineering - Machine Learning - Computational Intelligence | Team Lead ,T...
16,800 followers · 500+ connections

HELPING FORTUNE 500 FIRMS WITH AI AND DATA SCIENCE.
★★★★★
MACHINE LEARNING | DEEP LEARNING | COMPUTER VISION | NATURAL LANGUAGE PROCESSING

Mu Sigma Inc.
St. Joseph's College Of Engineering

LinkedIn Networking | Talk more about you

What are we looking for ?

◀

Find potential clients by showcasing the services you provide.
[Get started](#)

Share that you're hiring and attract qualified candidates.
[Get started](#)

Analytics

Private to you

2,671 profile views
Discover who's viewed your profile.

46,926 post impressions
Check out who's engaging with your posts.
Past 7 days

Resources

Private to you

Creator mode On
Get discovered, showcase content on your profile, and get access to creator tools

Creator hub

- #ai ✓
- #statistics ✓
- #datascience ✓
- #deeplearning ✓
- #machinelearning ✓

You can only select up to 5 hashtags.

Creator tools

Creator mode gives you new ways to reach your audience by enabling access to the available tools. [Learn more](#) about creator tool access.

- LinkedIn Live ✓ Available >
- Newsletters ✓ Available >

Done

Creator tool to reach mass audience

LinkedIn Networking | Talk more about you

- **Data Scientist (Trainee Decision Scientist - Level 2)** 

Full-time

Jun 2021 - Nov 2021 · 6 mos

India

****AI powered Product Development****

1. Real time in-situ process monitoring and Simulation of Additive manufacturing process using Generative Neural Modeling

- **Trainee Decision Scientist - Level 1 - Data Science and Machine Learning Engineering** 

Full-time

Jun 2019 - Jun 2021 · 2 yrs 1 mo

Bengaluru, Karnataka, India

1. End to End Machine learning pipeline creation for Japan-based Construction Giant.

- Monthly payout prediction for an each Construction project based on Various Machine learning Algorithms, such as Random forest regression, Ensemble learning, Boosting and Stacking methods.

- We have implemented this pipeline start from Data manipulation, Feature Engineering, and Variable selection in order to decrease the RMSE and to get an optimized model

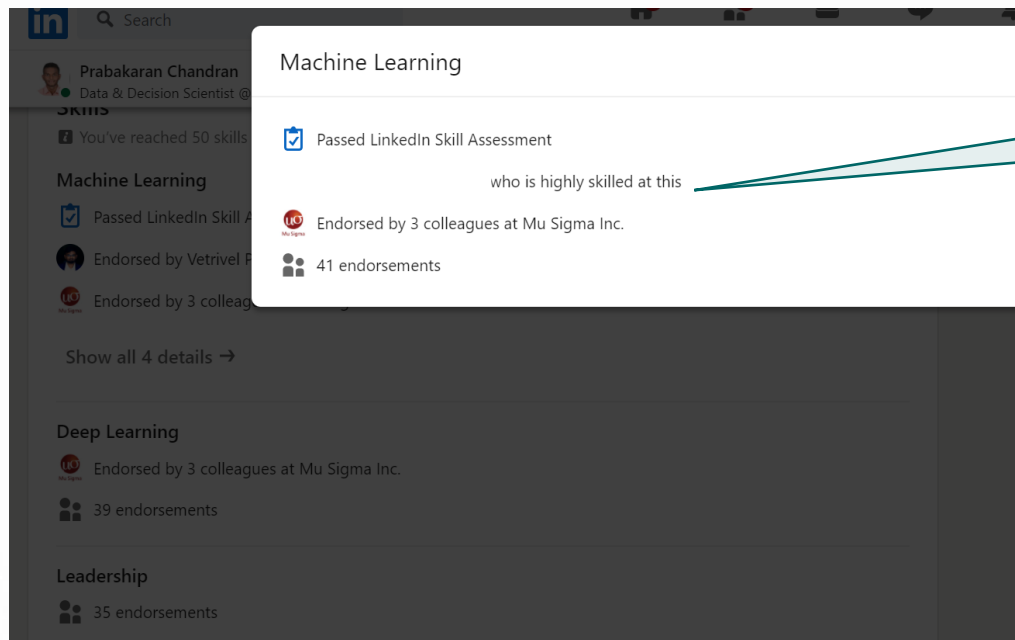
- The technology used: Python and its various DS and ML packages

2. The descriptive analytics web application for Japan-based IT firm

- I have built an R shiny based Web application for this firm to understand about their server failures, shipments. and Repairs

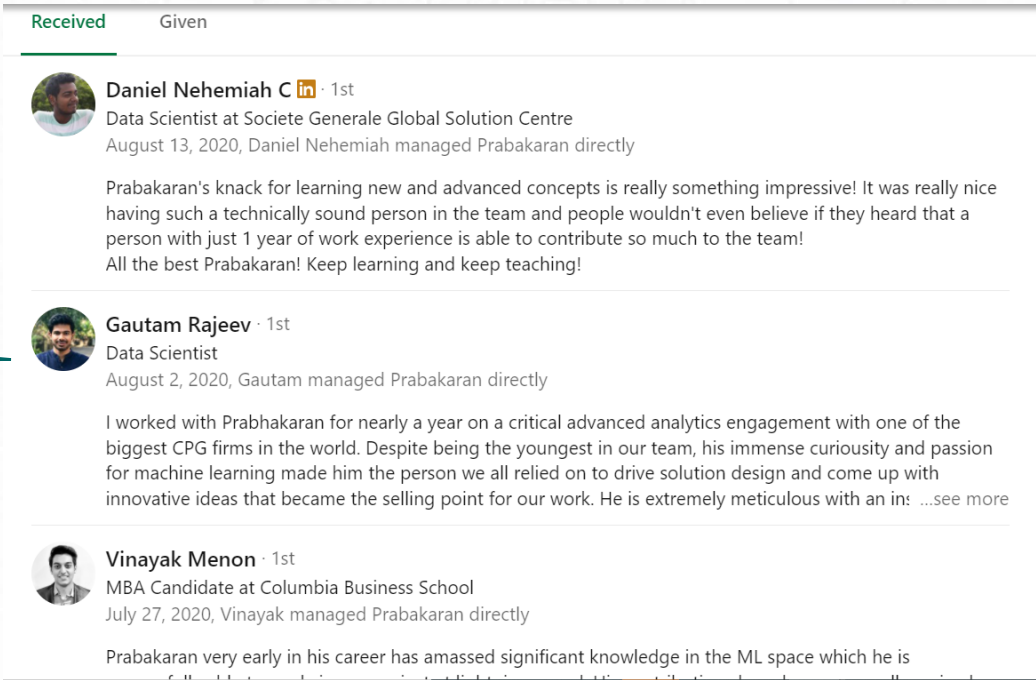
Talk about your experience in detail

LinkedIn Networking | Endorsements & Recommendations



Getting Endorsements from Highly skilled Folks

Getting Recommendations from Managers / Clients



LinkedIn Networking | Content is the Catalyst

When I started learning and practising Data Science, I took more time to study and understands the statistical concepts which eased me to interpret the ML, DL results.

I used to come up with different statistical methods and Hypotheses tests to solve the problem given.

My mentors always encouraged me to explore more statistical terms and discussed it with me.

I would prefer these Statistical Resources to kick start your learning:

- Head First Statistics - it's like a comic book, explained with intuitive examples, covers very basics of Stats (I guess till ANOVA)
- Introduction to Statistical Learning with R (ISLR) - it has all the methods and their R implementation - (from Linear regression to Dimensionality Reduction)
- 100 statistical tests - consists of 100 important hypothesis tests (beyond Z,t,f tests)
- if you still want an easier approach with better explanation- stat quest (youtube channel) by [Joshua Starmer](#)

#statistics #statisticallearning #rprogramming #islr #learnwithKaran

You and 130 others 6 comments · 1 share

Learning Experience

Data science tool kit to build an awesome portfolio

Python-centric and Beginner Friendly

Let's build from the scratch

by **Prabakaran Chandran**

Prabakaranchandran.com June 2021

You and 413 others 38 comments · 15 shares

Sharing Resources

The Modern Data Stack

A Strong Foundational Data Layer ensures the better #datascience & ...see more

The Modern Data Stack in the AI Era

Data Source: Google Analytics, LinkedIn, shopify, stripe

Extract/Load: Airbyte, Fivetran, Segment, Stitch

Transform: dbt, dataiku

Data Science: dataiku

Data Warehouse: snowflake

BI Tools: Looker, Tableau, Power BI, Qlik

Reverse ETL: hightouch, Census, CleverTap

Destination: Gainsight, HubSpot, Intercom, Zendesk

Sreenidhi Kalyanaraman and 46 others 2 comments · 1 share

Like Comment Share Send

Talking about Emerging / Niche topics

LinkedIn Networking | Content is the Catalyst



Prabakaran Chandran • You

Data & Decision Scientist @ Mu Sigma Inc | Data Science & Engineering - M...

1mo • Edited • 🌐

3 important things while you deliver and deploy a [#machinelearning](#) product /pipeline

1. Model Explainability that can enable business to take decisions efficiently [#XAI](#) [#interpretation](#)

- We can use SHAPE , LIME , Explainable Machines

2. Prediction Intervals (check the concept of [#conformalprediction](#)) that ensure Precise levels confidence

- The field of Conformal prediction is being adapted into industry use cases these days.

3. Post [#Deployment](#) Monitoring for the seamless business utilisation Which can mitigate pitfalls such as Model decay , data drift.

- Post Performance estimation , ML based Data drift Monitoring can be utilized.

The Deep learning space for Tabular Data is interesting and a lot of SOTA papers are being published.

TABNet paved a path for Transformers to be used in solving Tabular Data Problems

The Interesting fusion would be Boosted Trees and Deep Learning Architectures.

[Manu Joseph's PyTorch](#) Tabular is a go to Framework for easier Implementation of Deep learning models for Tabular Data.

I personally liked the structure of the framework and adapted the flow for few of my personal projects.

[#Framework](#) provides following Models:

FeedForward Network with Category Embedding

Neural Oblivious Decision Ensembles <https://lnkd.in/gcSb4FH5>

TabNet <https://lnkd.in/gJbNdSgX>

Mixture Density Networks

AutoInt <https://lnkd.in/gJbNdSgX>

TabTransformer <https://lnkd.in/gkBMCRZv>

FT Transformer <https://lnkd.in/gaU2zwWR>

Above all, Serving at scale is the important thing to be considered here. The model size is optimized with the help of the Microsoft Hummingbird framework.

Models need to serve millions of API calls. To make this happen FastAPI based framework is built to have optimized latency, throughput over MLFlow.

With the help of an improved model and a New ML serving System, the overall cost of serving millions of calls was less than \$10 (approx. INR 754.57)

To learn more things in detail check the case study here

<https://lnkd.in/gRgiRU3U>

Image : Zomato's ETA estimation model serving framework

[#machinelearning](#) [#customersatisfactionguaranteed](#) [#zomato](#) [#machinelearningengineer](#) [#systemdesign](#) [#casestudy](#) [#lgboost](#) [#decisiontree](#) [#datascience](#) [#analytics](#) [#artificialintelligence](#) [#deeplearning](#)

ML Serving Design



Sharing Design tips

Research Papers

Studies on Real time use cases

LinkedIn Networking | Build Relationships

Follow / Connect with Influencers

- To Know more about specific topics such as NLP / UI-UX / GAI
- To Learn effective ways to build complex projects

Attract Connections through content





- Showcase capabilities to attract leads
- Beginner level contents improve the outreach
- Niche Content brings the collaboration Opportunities
- Learn in Public / Build in Public

Collaborate with Connections / Institutes

- Co Authoring Papers
- Hackathons
- FOSS
- Community Projects

LinkedIn Networking | Engagement is the Node of Attraction

You and 42 others 1 comment • 3 shares

 Insightful  Comment  Share  Send

Message from [Redacted]:

Hello Prabhakaran,

kindly help in suggsting how to automate the daily production reports in conventional manufacturing to Dashboards.

Prabhakaran Chandran • 7:13 PM

[Redacted], May I know the Source of your data and the data architect currently

Latest message

Write a message...

Message from [Redacted]:

I am building a community around an open-source project called [Redacted]. Basically, we put Jupyter in a cloud and augmented it with micro services accessible with low code formula (scheduling, asset sharing, drivers, templates...)

I would love to connect you with the CEO, [Redacted] discuss with you about the project !

Prabhakaran Chandran • 3:29 PM

I have gone through this project

- Like scheduling the notebook
- Adding callbacks

Latest message

Most relevant ▾

Prabhakaran Chandran • You 3w ...

Data & Decision Scientist @ Mu Sigma Inc | Data Science & Engineerin...

Notebook based ml pipelines can be moved to production. I have personally built & deployed such pipelines.

Like · 35 | Reply · 6 Replies

Lead the conversation by turning your comment into a post. [Save this post.](#) ✕

Load previous replies

[Redacted] 3w ...

deployed couple of projects written in Jupyter on ADF. I see no harm if you properly take care of the corner cases.

2 | Reply

Comments brings the opportunity to have healthier discussion and to penetrate the new set of audience pool

Enablers of Networking | Beyond LinkedIn



Communities and Meetups

- TensorFlow User Group
- Google Developers Group
- AI Coimbatore
- The Hack Weekly
- Kaggle Meetup
- FOSS Communities



Chat Rooms

- Club House
- Twitter Spaces
- Discord



Learn & Build in Public

- Showcases your progress
- Brings the visibility in to the Product
- Cost Free Marketing and Branding



The Twitter Cult

- Networking beyond Race / Gender / Geography
- Better Conversion Rate

Enablers of Networking | Beyond LinkedIn



Blogs

- To Drive More Traffic
- To Validate your learnings
- To Enable others



Learning Sessions

- Mass Reach
- Networking with All sorts of students and Professionals

Bonanza : LinkedIn Profile Enhancement

Bonanza : Your First LinkedIn Post

Questions

Thanks for joining!