

# Nikhil Kabbin

## Technical Lead

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## Professional Summary

Results-driven Data Science professional with good technical skills, firm grasp of business needs and understanding of user requirements gathering. Assesses risks, troubleshoots problems, and conducts tests. Excellent communication and data storytelling techniques.

## Work Experience

### Principal Data Scientist

Gramener, Princeton, NJ, USA

01/2019 – Current

- Technical Lead and Architect - Voice of Customer analytics platform using Word2vec, BERT NLP Framework and Exploratory Analysis for F500 company.
- Design and Development of [Comicgen](#) Plugin for Power BI.
- Architect and Develop CRM Analytics Cloud based SaaS Platform
- Design and Architect Geospatial Analytics application for Urban heat islands using Mapbox GL, Vector Tiles, PostGIS, Linear Regression, Spatial Regression models and Variables forecasting.
- Technical Lead Turnaround time optimization and recommendation application for leading Cold Storage chain in USA. Models used – Linear Regression, Random Forest and KNN
- Architect and Development of integrated Cyber Security threat Intelligence platform.

### Senior Data Scientist

Gramener, Bangalore, India & Singapore

05/2016 – 12/2018

- Develop [Machine Learning Handler](#) (helps to easily train and serve model as an API) for [Gramex](#).
- Design and Architect Big Data ecosystem and Insights driven BI Dashboards for leading healthcare company (Singapore) using MS Azure and Power BI
- Integrate Gramex (Python) Analytics and ML Components with Power BI
- Developed cutting-edge [Map components](#) for Microsoft. [Choropleth](#) & [Cartogram](#)

### Data Scientist

Gramener, Bangalore, India

05/2014 – 05/2016

- Build Data Driven point solutions on [Gramex](#).
- Develop [Patent Analytics Application](#) using NLP techniques to extract keywords of bi-grams and N-grams and Visualize using multimode graph (K-partite) to find relations.
- Repurpose Patent App as Fraud Investigation tool to find patterns, for Government of India.
- Build Windows 8 app framework to develop data driven Windows Native apps using [Gramex](#) platform using JavaScript.
- Architect and Lead Development of Real time election [visual analytics and journalism platform](#) for NEWS media Live updates.

### Data Specialist

Gramener, Bangalore, India

08/2012 – 05/2014

- Developed Exploratory Analytics modules for [Gramex](#) Data science platform.
- Develop Python ([pypptx](#)) interface to [Office Open XML](#) for MS PowerPoint 2007 and above. Helps you draw visualizations on PPT using python and converts SVG to PowerPoint Objects.
- Scrape, Analyze and Visualize historical data of upcoming elections for leading Print Media. ([Publication](#))
- Develop reusable visualizations using D3.js.

## Skills

### Software Development

Python, JavaScript, HTML, CSS, Web-Frameworks, NodeJS, Vue.js, VBA, SQL, No-SQL, GIS, MLOps, Dev-Ops, Data-Ops, Git, Docker, AWS, Azure, MapShaper, Kubernetes

### Data Analytics & Visualization

Exploratory Data Analysis, Geo-Spatial Analysis, Machine Learning, Data Visualization, D3.js, Mapbox GL, Leaflet, Text Mining, NLP, ETL, R, Pandas, Spacy, DAX, TensorFlow, Scikit-Learn, TensorFlow, Auto-ML

### Consulting & Tools

Data Consulting & Storytelling, MS SQL, Elasticsearch, PostgreSQL, MongoDB, CosmosDB, PostGIS, QGIS, TileMill, Excel, PowerPoint, VS Code, Power-BI, Power Apps, Microsoft Flow

## Education

M.S (Embedded & Wireless Technology)  
Manipal University – Manipal

B.E (Computer Science & Engineering)  
VTU – BEC Bagalkot

## Volunteer & Pro bono

### Member – Board of Studies

MSIS – Manipal University  
2015 – Present

### Volunteer - Data & Technology

U.S. Digital Response  
Jul 2020 – Present

### Data Expert

DataKind – Bangalore Chapter  
2015 – 2017