Aditya Karan
Experience in executing full life-cycle development projects; ramping up projects within time, budget & quality parameters, as per project management & best practice guidelines, targeting assignments in **Data Science, Machine Learning and Deep Learning** with an organization of high repute
Location Preference: **Bengaluru, Chandigarh and Overseas**

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Profile Summary

- **Achievement-driven professional** with an experience of **nearly 3 years**
- Experience in architecting **Artificial Intelligence** applications **with Machine Learning, Deep Learning with Python.**
- Skilled in libraries such as **Pytorch Keras, Tensorflow , Sklearn, Numpy, Pandas, Matplotlib, Tableau for Data Visualization**
- Extensive knowledge of working with **NoSQL databases like Mongodb, Dynamo DB** and **SQL databases like MySQL and SQL Server.**
- **Additional skills of embedded C, Internet of Things, Industrial Automation(4.0), Prototyping with PCB and PLC.**
- Also had hands on experience on **AWS, Flask, Heroku**
- **Contributor to the Data Science Community**
- Hands on experience in **Ethical Hacking.**
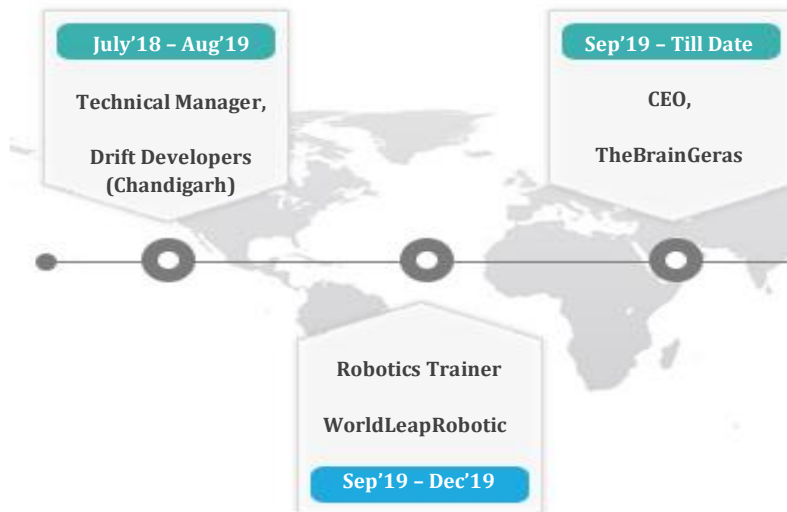- Webscraping.

Core Competencies

Competency	Rating
Data Science	★★★★★
Machine Learning	★★★★★
Deep Learning	★★★★★
Predictive Modelling	★★★★★
Training & Development	★★★★★

Career Timeline

July'18 – Aug'19
Technical Manager,
Drift Developers (Chandigarh)

Sep'19 – Till Date
CEO,
TheBrainGeras

Robotics Trainer
WorldLeapRobotic
Sep'19 – Dec'19

Work Experience

- o   Worked as **Technical Manager** at drift developers at chandigarh

- o   Started a Company called **RoboHunt** training company based on Robotics, Tinkerlab Setup, Programming training(HTML, CSS, BOOTSTRAP, Python) and sold to **WorldLeapRobotics** in September 2019.

- o   Started a new company named **TheBrainGears** based on Industrial Automation training using PLC, Internet of things, Machine learning training. **https://www.thebraingears.com**

Key Result Areas:
- Working closely with business and engineering teams to encourage statistical best practices with respect to experimental design, data capture and data analysis

- Participating in Data Preprocessing Techniques in order to make data useful for creating Machine Learning Models
- Building various regression and classification algorithms by using various Sklearn libraries such as Linear Regression, Random Forest, Decision Trees, Naïve Baye's etc.
- Developing a model for predicting the sales for the Airlines Air Tickets based on seasonal and various occasions
- Drafting Machine Learning Models for test A/B content for clear decisions related to the products
- Providing internal corporate training within the company for Data Science, ML and Deep Learning

Highlights:
- Executed some internal projects as Data Analyst with using tools such as Tableau for Data Visualization
- Recognized by schools, collages, and peers for innovation, communication, and teamwork to ensure quality, timely project completion

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Annexure (Projects Undertaken)

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Client:	The Brain Gears
Project:	Fast track Ventilators
Project Aim:	**Automating of ventilators and detecting the heart rate and breathing conditions**
Technology:	Machine Learning, Python, Sklearn, Artificial Intelligence, Neural Networks, Keras, Tensorflow, Tableau for Data Visualization,Mongodb,S3 AWS

Pipelines Created:

1. Data Collection
2. Feature Engineering
3. Feature Selection
4. Model Creation
5. Model Hyperparameter Tuning
6. Model Deployment using Cloud
7. Model Results Dashboard using Tableau

Duration:	Ongoing
Role and Responsibilities:	R&D

Projects Goals: Try to get all the data on the doctors app and predict which are more serious case And giving them priorities according to their heart and breathing conditions.

More Projects:

Classification   :   Credit card analysis.
Text Analysis   :   Twitter analysis
Regression   :   House Prediction analysis
Deep learning :   Fashion MNIST Classification using Convolutional Neural Network,
ML Projects   :   Directing Customers to subscription through Financial app,
                              Breast Cancer Detection

🎓 Education
- **Diploma (Mechatronics and Industrial Automation (Electronics))** from Central Scientific Instruments Organization (CSIO), Chandigarh.
- Bootcamp certification in Python web development with flask from **Codegyan.**
- 9 month Data Science course from **Edwisor.**

Technical Skills
Programming Languages: Python, Machine Learning, Artificial Intelligence, Sklearn Libraries, Embedded C.

Databases: MongoDb, SQL Server, MySQL

Platforms and Misc.: Anaconda, Jupyter Notebook, Spyder IDE, Visual Studio 2017, VS 2016, Windows XP/W7/W8

Personal Details
Date of Birth:	30/04/1996
Languages Known:	Punjabi, Hindi, English, Lithuanian
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GitHub Profile:	https://github.com/AdityaKaran109
Linkdin Profile:	https://www.linkedin.com/in/aditya-karan-642a80169