

# DHNESH DHINGRA

## Data Scientist



### AREAS OF EXPERTISE

Predictive Analytics

Data Analysis

Data Mining

Leadership

+91-7347465069

dhneshtsingra@gmail.com

www.dhneshtsingra.com

### SUMMARY

4+ years experienced Data Scientist with a passion to solve real-world business challenges using data analytics. Proficient in deploying complex machine learning models. Involved in Python open source community and passionate about deep reinforcement learning.

### KEY SKILLS

Data Analysis

Stakeholder Management

Leadership & Training

Strategy

Project Management & Delivery

Process Improvement

Team Incubation

Data Visualization

Predictive Modelling & Analytics

Sentiment Analysis

### PROFESSIONAL EXPERIENCE

#### Data Scientist

Apr '16 - Present

#### Esferasoft Solutions Private Limited

SAS Nagar, IN

*Esferasoft is an AI Consulting & Digital Transformation company which specializes in delivering AI powered data solutions*

**Technology Stack: Python, AWS, Tensorflow**

#### Automation & Predictive Analytics

- Utilize web crawling techniques to automate YouTube Marketing campaign
- Scraping Company's Messaging platform to filter spam and other malicious activity
- Designing a real-time contextual behavioral personalization system via econometric & ML to **predict customer behavior**

#### Statistical Modeling & ML Algorithms

- Created many Machine Learning techniques to Calculate employees Efficiency and Productivity
- Led the development of a Medicine Recommender APP (clone of Ada)
- Formed **multivariate regression-based attribution models** to predict total sales for every product and store in the next month for an Ecommerce website
- Generated **CNN Models** for a Photo Based Location Search Engine

#### Key Achievements

- Established the Data Science division from scratch by recruiting, on-boarding & training a team of 5 Data Analysts
- Utilized Google Analytics and Google Tag Manager and implemented new scripts that increased performance by 25%.
- Kept **Chess Masters Title** for 2 years in College
- Lead JMFC Club to Semis of National Football Championship
- Wrote Harry Potter Next Book with customized RNN algorithm

### EDUCATION

#### BTech in Chemical Engineering

Jun '12 - Jul '16

#### JMIT

JMIT, Yamunanagar

### ADDITIONAL INFORMATION

- Languages:** English, Spanish, Punjabi

### TECHNICAL SKILLS

- Packages:** SciKit-Learn, Caffe, SciPy, Tensorflow, Pandas, NLTK, Keras
- Statistics/ML:** Linear/Logistic Regression, SVM, Ensemble Trees, Random Forests, Clustering, Gradient Boosted trees

### KEY SKILLS

Programming Skills

Statistics

Strategy

Multivariable Calculus & Linear  
Algebra

Team  
Leader

Data Visualization

Predictive Modelling & Analytics

Data Wrangling

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## CERTIFICATIONS, CONFERENCES & PUBLICATIONS

- Certified '**Machine Learning Expert**', Upgrad, '19
  - Certified '**Expert Chess Opener**', JMIT, '16
  - Tensorflow Developer Certificate
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