Abhinav Thorat

Deep Learning Engineer
TCS Research & Innovation Labs

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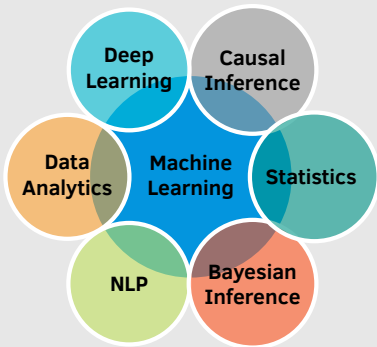
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Technical Skills

Overview

Programming

$0\ LOC \longrightarrow 5000\ LOC$

Python • TensorFlow • PyTorch

Java • SQL

C • C++ • R

Education

BEng., Electronics and Communication
(CGPA: 7.1)
Padmashree Dr. D. Y. Patil Institute Of
Technology, Pune
2014 - 2018 | Pune, India

HSC
(CGPA: 8.2)
RLT College Of Science, Akola
Specialization : Computer Science
2012 - 2014 | Akola, India

Experience

April 2021 - Present	**Deep Learning Engineer**	**Investment Intelligence**

- Focused on developing deep learning models, production deployment, testing, scaling & Optimization.
- Projects:Sales Upliftment Modelling by Customer Segmentation using Causal Inference, Multi-Touch Attribution Modelling for Temporal Marketing Data for Marketing Campaign Planning, Mix Marketing Model for Campaign Planning.
- Tools: Tensorflow,PyTorch,PyMC3, GitLab CI / CD
- Helped pioneer development of Deep Learning models on research based approach and published papers.
- collaboration with researchers for development of DL models and brainstorming ideas for new models.
- Conducted interviews for junior ML engineer roles.

Nov 2019 - April 2021	**Machine Learning Engineer**	**Liquid Intelligent Technologies,SA**

- Development of Time Series models based on RNN-LSTM, ARIMA Approach.
- Development of Deep Learning Algorithms for Time Series Analysis & Forecasting.
- Development of Recommender System by Collaborative Filtering.
- Proposing BU with new POCs for Integration of Ai/ML Models.
- Articulation of Business Use cases based on thorough EDA.

Courses & Certifications

2019-Present

- Fine Tune BERT for Text Classification with TensorFlow.
- Deep Learning Specialization By Andrew Ng
- Stanford University Machine Learning Certification By Andrew Ng.
- Data Science Professional Certification By IBM
- Machine Learning A-Z Hands-on in Python & R in Data Science.
- Complete TensorFlow 2 and Keras Deep Learning Bootcamp.
- Python for Time Series Data Analysis.

Projects

2019-Present

- **Sales Uplift Modeling** by Customer segmentation with Causal Inference.
- **Multi-Touch Attribution** modelling for Marketing Campaign Planing.
- **Mix Marketing Model** State of Art Budget Optimization Approach by Using Hill Function,Delayed Ad-stock & Diminishing Returns.
- **BERT** Based Customer Sentiment Analysis Modelling by Transfer Learning.
- **CNN Bottleneck** For Pokémon Detection (Personal)
- **RNN-ARIMA-MACD** Based Stock Price Analysis Model (Personal)

Interests & Extracurriculars

2014-Present

- Creator of Instagram Community 'Astromate' with 80k Followers based on Subject of Astronomy & Astrophysics.
- Playing Chess, Reading Books on Various Topics.
- Solving Rubik Cube.