

NIKUNJ BHATIA

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https://github.com/nikbhati | LinkedIn : Nikunj Bhatia

Education

Indiana University, Bloomington

Indiana, USA

MASTER OF SCIENCE, DATA SCIENCE | GPA : 3.9/4

(May 2023)

Coursework: Applied Machine Learning, Advanced Database Concepts, Statistics

Vellore Institute of Technology

Tamil Nadu, India

BACHELOR OF TECHNOLOGY, COMPUTER SCIENCE | CGPA : 8.3/10

(May 2020)

Coursework: Data Structures & Algorithms, Artificial Intelligence, Data Mining

Experience

Kelly School of Business | RESEARCH ASSISTANT (Prof DAVIS CARTER)

(Dec'21-Present)

- Developing a neural net model to predict the market betas

PickRight Technologies | DATA SCIENTIST

(Aug'20- Mar'21)

- Developed a stock prediction model which used TA-lib to pick out trends in the historical stock data
- Developed a stock recommendation system which could recommend similar stocks depending on history and user behavior

Rx Logix Pvt Ltd, Noida | MACHINE LEARNING ENGINEER INTERN

(May'18- Jun'18)

- Designed a spam classifier as internship project
- Used Decision tree classifier on the dataset & got accuracy of 91.4%

SKILLS

Languages : Python, C++, SQL, R, HTML

Technologies : Machine Learning, Statistics, NLP, Deep Learning, PostGres, Visualization

Personal Projects

Conditional Betas | RESEARCH PAPER

- Returns in excess of market risk on an investment strategy is just caused by mis-measuring of risk
- Building a neural net to predict market betas accurately

Stock Prediction System | INTERNSHIP PROJECT

- Transformed historical stock data(OHLC) using TA-lib into candlestick patterns
- Converted them into features which could be run into a model
- Also added some fundamental stock data features using basic OHLC

Image Forgery Detection | Under Prof. Xuhong Zhang

- Developed a model that could tell the whether the image is fake or real using MobileNetV2
- When compared with CNN, MobileNetV2 gives a better accuracy

Digital Epidemiology of Diseases through Data Mining | Under Prof. Lokesh Kumar

- Developed a system that helps us easily visualize trends by mining tweets and taking preventive measures based on that

Certifications

Python for Data Science and Machine Learning by Jose Portilla

- Regression, SVM, Decision Trees, KNN, Pandas, Matplotlib, Seaborn, K-Means
- NLP, Recommendation Systems, PCA along with projects
- Artificial Neural Networks, TensorFlow, Keras, Deep Learning with projects

Leadership & Social

President of C.S.E.D.

(Jan'18-Apr'19)

- Centre for Social Entrepreneurship & Development held hack-a-thons and encouraged startup culture within university and provided opportunities to young entrepreneurs to connect with real investors

AIESEC Program (Sibiu, Romania)

(Dec'16-Jan'17)

- Teaching young kids in Sibiu as part of promoting SDG #4 Quality Education