Jatin Sharma

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EDUCATION

Bachelor of Technology Aug 2020 – present
ICFAI University, Jaipur, 9.0 CGPA

SKILLS

Languages and Technologies (C++, Python, SQL) • **Tools** (VSCode, Linux, Git, PyCharm, Spyder)

Coursework (OOPs, Probability and Statistics,DBMS, Linear Algebra, Differential Calculus, Finance)

PROFESSIONAL EXPERIENCE

Research Consultant Nov 2022 – present | Part-Time
WorldQuant BRAIN (Part- Time)
- Part of the High-Frequency Trading team in WorldQuant BRAIN which is a subsidiary of WorldQuant.
- Developed Quantitative Trading strategies known as Alphas for various markets using Websim, an online modeling platform.
- Generated Statistical Arbitrage models to predict the future price movement of securities in the Equity based asset class.

Backend Developer Jun 2022 – Aug 2022 | Remote
Pie-Gamers (Internship)
- Built the infrastructure, toolset, and deployment pipeline to support API development.
- Designed and developed robust services in coordination with frontend developers and produced well-tested, high-quality code with the Django Rest framework.
- Develop robust python applications and integrated with frontend.

PROJECTS

Stock Market Prediction
Machine Learning, Deep Learning, Neural Network, RNN, LSTM
- Developed a stock market price predictor based on the AAPL dataset. In this, we created timesteps of 100 days and compared the accuracy with test data.
- Used feature engineering to reduce the scaling of the dataset. Implemented LSTM for the prediction of the stock price.
- We also predicted the future stock price of 100 days with the newly generated data by predicting the stock prices.

Movie Recommendation System
Machine Learning, Statistics, Vectors, Cosine Simmilarity
- Developed a Movie Recommendation system for movies. It is a content based system that uses cosine similarity for recommending movies with the help of tags.
- Handled missing data and noisy data by Exploratory Data Analysis. Manipulation of data, using different types of Python data types to create vectors (tags).
- Used cosine similarity to find the related vectors that have nearest angle and predicted the movie by transforming the vectors. Also integrated the API for thumbnails(Movies).

CERTIFICATES

Introduction to TensorFlow for AI, ML and DL (Machine Learning, Deep neural network, Aritificial Intelligence, Computer vision application)

Convolutional Neural Networks in TensorFlow (Convolution Neural Network, Augmentation, Transfer Learning , Computer Vision)

Machine Learning A-Z™: AI, Python & R (Machine Learning, Data Visualization, Supervised Learning, Unsupervised Learning, DeepLearning)

Data Science with Python (EDA, Statistics, Probability, Linear Algebra, Differential Calculus, Data Science, Machine Learning, Data cleaning, Data Manipulations)

POSITION OF RESPONSIBILITY

The ICFAI University, Jaipur
- Secretary - Student Council [IcfaiTech, IUJ (2022-23)]
- Coordinator - Innozanta Club [IcfaiTech, IUJ (2022-23)]