TANMAY SHARMA

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Summary

- Studying BS in Intelligent Systems Engineering with a concentration in Computer Engineering and Minor Mathematics.
- Comfortable Java, Python, and C programmer.
- Interest and knowledge of Machine Learning tools and methodology.
- Ability to quickly learn new technologies, work well in team and self-directed settings.

Skills

- Java
- Python
- Web development (HTML/CSS/JavaScript)
- Data Science
- Machine Learning (PyTorch, Matplotlib, NumPy, and Pandas)

Education

Bachelor of Science: Intelligent Systems Engineering   Expected in 2024
Indiana University Bloomington | Bloomington, IN

- Completed coursework in Computer Engineering, Physics, Calculus

Nanodegree: Artificial Intelligence Programming in Python   12/2021
Udacity

High School Diploma   06/2021
Monta Vista High School | Cupertino, CA

- 3.7 UW GPA; 8 AP Courses
- Java Programming; AP Statistics; AP CS Principles

Projects

Unsupervised Machine Learning for Customer Segmentation
Coursera

- Used K-means clustering ML algorithm, elbow method, and PCA algorithm
- Applied machine learning models such as PCA and K-Means to train data for the purpose of differentiating types of customers
- Created business model after generating clusters that identified different types of customers and their purchase behaviors

AI Classifier Model to Identify Dog Breeds
Udacity

- Gained appropriate knowledge in Linear Algebra and Calculus
- Learned about Neural Networks, and building deep learning models using PyTorch
- Developed Image Classifier model with PyTorch, NumPy, and Pandas

Cryptocurrency Forecasting using Machine Learning in PowerBI

- Used Microsoft Power BI to forecast the price of Bitcoin & Ethereum using multiple ML algorithms: ARIMA, Neural Networks and Linear Regression
- Forecasted with 0.995 confidence level the price of ETH and BTC for next 100 days using ARIMA and Neural Networks
- Used Finance API to import real-time cryptocurrency data

Achievements /Activites

Deep Learning Research Student   12/2021 - Current
Qingyang Keith Xiao | Bloomington, IN

- Using deep learning to process the video content in order to analyze and understand the video context as a robot

Nike Retail Sales Seasonal Athlete   03/2021 - 08/2021
Nike | San Jose, CA

- Delivered premium consumer experience through Nike products and services to give consumers what they need to connect, train, and compete to achieve their goals

Monta Vista ASB Leadership   08/2017 - 06/2021
Monta Vista High School | Cupertino, CA

- A selected group to represent Monta Vista High School and increased spirit within the student body in the form of athletics events, dances/balls/proms, and other various events/games

De Anza Force Soccer Club   01/2014 - 04/2021
De Anza Force | Cupertino, CA

- Captained soccer club for 4 years for one of the best clubs in Bay Area, CA