

RANOO SISODIA

DATA SCIENTIST

CONTACT

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Plainsboro, NJ

EDUCATION

- Master of Science in Data Science, Eastern University, 2021 - Present, GPA 3.75/4.0

Courses: Python, Statistics, R language, Data visualization (Tableau, Qlikview), Applied Machine Learning, Ethical and Philosophical issues in data science.

- Master of Science in Electronics, 2005.
- Bachelor of Science in Computer Science, 2003.

TECH SKILLS

Languages: Python, R-Language, C++.

Python Libraries: NumPy, Pandas, PyTorch, Scikit-learn, Keras, TensorFlow, Matplotlib and Seaborn.

Framework: MVC Framework, Flask

Web Technologies: JavaScript, HTML, XML, JSON, CSS.

Version Control Tools: Git, SVN

Databases: PostgreSQL/MySQL

Data Visualisation Tools: Tableau, Qlikview

Operating Systems: Windows, LINUX

IDE's: Jupyter Notebook, PyCharm, Sublime text, Notepad++, VS Code

Profile

Insightful Data Science and Machine learning student who excels at Python with a deep understanding of technology trends with expertise in the core technologies. Seeking a position as a Data Science Intern. Currently pursuing a Master's degree in Data Science with a current GPA of 3.75/4.0.

Employment History

Technical Instructor, SteamWorks Studio

FEBRUARY 2020 - Present

- Managing and teaching various coding languages like C++, Python, Java Script, HTML/CSS.
- Taking Robotics coding classes with an implementation of EV3 Mindstorm as well as implemented Scratch coding to teach concepts of AI and machine learning.
- Build and execute lesson plans, create small projects for demo and prepare challenging lab projects.
- Introduce highly individualized lesson plans to accommodate various learning styles among students.
- Work closely with program coordinators to collaborate on different projects and approaches to improve labs to level up skill sets.
- Participate in lab works, critical thinking & problem-solving discussions to create fun learning environment for the students.

Education

Master Of Science (Data Science)

Eastern University, PA

JANUARY 2021 - Present

Current GPA: 3.75/4.0

Personal Projects:

• Retail Price Optimization:

Used the data of a cafe and, based on their past sales, identify the optimal prices for their items based on the price elasticity of the items.

Machine learning Used: Regression trees and ordinary least square method to estimate the price elasticity for different products.

Technology Used: Python, Matplotlib, Seaborn.

• Medical Image Segmentation Using Deep Learning :

Implemented Unet++ models for medical image segmentation to detect and classify colorectal polyps.

Technology Used: Python, PyTorch, Scikit-learn, pandas, numpy.

Computer vision library used: Open CV

• Human Activity Recognition Using Multi-class Classification:

Used multi-class classification machine learning technique to analyze fitness datasets from a smartphone tracker.

Machine Learning Used: PCA, Logistic Regression, SVM, Random Forest Regressor, XGBoost, and KNN.

Technology Used: Python, Flask