Deep Viral Mehta

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Summary

With a strong foundation in machine learning, deep learning, and data analysis, I am an accomplished Data Scientist / Analyst, bringing a wealth of experience to the table. Accumulating a couple of years of diverse internship experience, I am proficient in Python, Java, R, and SQL, and have a proven ability to develop and optimize algorithms. Moreover, I have showcased my leadership skills through event organization and dedicated volunteering for social causes.

Skills and Tools

Programming Languages: Python, Java, R, MATLAB, C, C++, SQL, MongoDB
Additional Tools and Technologies: Excel, AWS, Git, PowerBI, Tableau, SSMS, Neural Networks, Cloud computing, NLP
Certifications: Google Data Analytics, Machine Learning, Deep Learning, Python, C, SQL

Experience

Lead Data Science Intern, S.A.K.E.C.   July 2021 - August 2021

- Developed and optimized machine learning algorithms for course recommendations in the app, leading a team of developers.
- Performed data preprocessing, merging, and cleaning on multiple datasets using Python libraries such as Pandas and NumPy.
- Created a user-friendly web interface using Flask, HTML, and CSS for seamless interaction with the app.
- Implemented and optimized machine learning algorithms for collaborative and content-based filtering to deliver highly relevant and accurate course recommendations.

Artificial Intelligence Intern, D.I.T.   October 2020 - June 2022

- Created diagnostic software using digital infrared thermography, image processing, and Artificial Neural Networks to detect breast anomalies in thermal images for a Healthcare company.
- Collaborated with researchers and medical professionals to design and implement machine-learning algorithms.
- Utilized MATLAB's image processing toolbox for image preprocessing and developed custom Python scripts for the same.
- Co-authored a successful book chapter publication on Applied Intelligence for Medical Diagnosing.

Virtual Internship, KPMG

- Completed a virtual project with **KPMG** focused on advising a client on customer targeting with data analytics, and modeling.
- Assessed data quality, analyzed data to target high-value customers, and developed a dashboard to communicate findings.

Personal Projects

- Executed over a **dozen** individual projects across diverse topics, applying techniques including k-nearest neighbors, CNNs, decision trees, regression models, and other ML techniques to analyze and interpret data.
- Performed comprehensive data analysis and visualization using TensorFlow, Keras, Scikit-learn, Matplotlib, and Seaborn.
- Extracted insights, identified trends and patterns, and made data-driven decisions for each project.
- Proficiency in SQL, ML techniques, PowerBI, and Tableau through the application of statistical and analytical methods.

Education

M.S: Data Science - Rochester Institute of Technology (GPA - 3.9)

B.E: Computer Engineering – S.A.K.E.C. (GPA - 3.44)

Leadership and Extracurricular:

- Volunteered for IEEE in conducting technical workshops and other social events.
- Led as Co-Head of Events for a Technical Festival, overseeing scheduling, meetings, and coordination with faculty heads to ensure successful organization of events.
- Engaged as a member of Leo Club, actively participating in social work initiatives, including food distribution, blood donation drives, visits to orphanages, and assisting children with special needs.