Sanket Zanwar

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Education

Stevens Institute Of Technology, USA Expected June 2024

Master Of Science in Data Science **CGPA: 4.0/4.0**

Course Work: Deep Learning, Data Mining, Statistical Methods

National Institute of Technology, Goa June 2022

Bachelor of Technology in Electronics and Communication Engineering **CGPA: 9.35/10.00**

Course Work: Probability Statistics, Information Theory and Coding, C++ Programming

Skills

Programming Languages	Python, R, PySpark, SQL, Matlab, C++, HTML, Hadoop
Packages and Tools	Tableau, Power BI, TensorFlow, Keras, Pytorch, MS-Office(Excel), SciPy, Pandas, Seaborn, NLTK, Spacy, Matplotlib, GGplot, Git, AWS.

Experience

Dataperformers April-June 2021

Data Science Intern

- Enhanced the efficiency of the customer recommendation analytics engine by a significant 33% through data-driven decision-making and collaboration with cross-functional teams
- Leveraged expertise in machine learning and personalization techniques to drive business value, resulting in increased margin, revenue, and conversion
- Demonstrated strong project management skills by leading the development and launch of a new feature for the AI product and end-to-end solution in a timely 8-week timeframe

Academic Projects

RSNA Intracranial Hemorrhage Detection August 2021 - Ongoing

- Developed a machine learning model using ResNet-50 to predict anomalies and detect acute intracranial hemorrhage and its subtypes in DICOM images
- Improved the quality and effectiveness of the dataset through the strategic implementation of image augmentation techniques, including image rotation and image cropping, resulting in a 15% increase in F1 score
- Elevated model performance by creating a sequence model using 1-d CNN and BidirectionalLSTM on augmented data

Quora Question Pair Similarity August 2021 - May 2022

- Accurately predicted which pairs of questions contain two questions with the same meaning, enabling the grouping of similar context questions under one query
- Used advanced text mining techniques, including word embedding, and re-modeled the XGBoost model using Ridge and Lasso regression to identify key contributing features towards model building
- Boosted model accuracy by 20% and achieved an accuracy of 76% by combining the XGBoost model with a Random Forest model and implementing feature engineering and dimensionality reduction techniques to reduce false negatives

Movie Recommender System February 2021 - March 2021

- Accomplished a high level of user satisfaction (80%) through the successful implementation of a Random Forest model for movie recommendations
- Utilized data analysis techniques like feature engineering to unearth key factors that contributed to the model's efficacy
- Created and deployed a content-based movie recommendation system using the cosine similarity algorithm on Heroku platform, resulting in an enhanced user experience

Leadership Positions

Class Representative July 2019 - July 2022

- Represented a batch of 50+ students in the department council, solving academic issues and promoting progress

Teaching Assistant and Grader for MA250 course: Maths-IV January 2020 - March 2020

- Facilitated weekly review sessions to clarify course concepts and address student questions
- Graded assignments, quizzes, and exams, providing feedback and guidance to students on areas for improvement