

Chaithra Kopparam Cheluvaiah

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I am excited to apply for the Data Scientist, Decision Support position at Syracuse University that I found on LinkedIn. The opportunity to apply data science and analytics to make data-driven decisions in planning student enrollment is an exciting prospect for me. As a current graduate student at Syracuse University and a Teaching Assistant for the IST 195: Information Technologies course, I have a strong understanding of the university's academic programs and the enrollment process for both graduate and undergraduate students. I am confident that my technical skills in software engineering and data science combined with my knowledge of the university's academic setting, will enable me to contribute significantly to this role.

Throughout my graduate coursework in Applied Data Science at iSchool, I gained a solid understanding of machine learning techniques, including supervised and unsupervised models, deep neural networks, NLP algorithms, and reinforcement learning. I had the opportunity to apply this knowledge in practice during my internship with RSG Media Systems, where I built a data pipeline using Apache Spark and Python with Databricks and implemented a K-Nearest Neighbor model for entity resolution. This hands-on experience was incredibly valuable and enhanced my skills and understanding of machine learning.

During my tenure as a software developer in the R&D team at Envestnet Yodlee, I had the opportunity to build data quality tools utilizing the latest technologies. Working in a test-driven environment, I am familiar with CI/CD pipelines and had experience developing multi-threaded applications to handle high user traffic and backend tasks. I have worked with various databases including MongoDB, Oracle DB, and Apache Kudu. Additionally, I played a key role in developing a proof-of-concept using Apache Kafka to fulfill a specific project requirement.

In addition to my academic and work experience, I have demonstrated my programming skills by participating in online coding competitions such as LeetCode and HackerRank. You can check out my work on LeetCode and HackerRank at the following links:

- https://www.hackerrank.com/chaithra_kc22
- https://leetcode.com/chaithra_k_c/

Furthermore, I have completed several academic projects related to Machine Learning, NLP, and Deep Learning, which you can find on my GitHub repository:

- <https://github.com/chaithrakc/sentiment-analysis-covid-news-articles>
- https://github.com/chaithrakc/credit_card_default_prediction

Overall, my blend of academic background in data science, software development experience, and technical skills make me a strong candidate for the Data Scientist position at Syracuse University, Enrollment Management Center. I am eager to bring my passion for data science and software engineering to your team and contribute to the university's growth and success.

Yours Sincerely,
Chaithra