

Machine Learning Position:

Dear OHR Hiring Specialist, First, thank you for taking the time to review my application. I am interested in this position as it would allow me to apply my skills and work experience. I have detailed below my knowledge, skills, and abilities pertinent to this role.

I have Master of Science Degree in Data analytics as well as Master of Science in mechanical engineering at Georgia Tech. Throughout these degrees I have gained a hands-on experience applying Machine learning in the real world.

one of the projects I have worked on is building a reinforcement learning model for stock prediction, another project I worked on is Chatbot for an autonomous bus company using fee open source LLMA model, in this project I were able to run the chatbot locality without using any costly API, I also did some prompt engineering to improve the chatbot answers accuracy and response time. During this project I also used different text embedding model techniques (e.g transformer embedding) in NLP and text chunk size tuning to improve the model performance.

I Also worked on interactive data visualization project where I used Tableau and Shiny to create an interactive wildfire data map in the state of California. The interactive map allows the user to select different statistics about the wildfire in selected areas, it also has the capability of filtering data by year, zip code or county.

I'm Also working as mechanical engineering patent examiner for 10 years I have gained strong experience in Patent Law, writing a clear and detailed analytical report and I have developed communication skills and strong knowledge in cutting edge technology in mechanical engineering domain.

Thorough out these projects I have gained solid experience in R, Python, Tableau and SQLite, I also have good experience and solid understanding of using LLMs and NLP.

Im looking forward to taking new challenge and contribute and play crucial role and contribute to data-driven decision making that can contribute the company mission.