

# Yashaswi Singh

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I am currently a graduate student at Northeastern University, Boston in the Master of Science Information Systems program. I have completed courses like Introduction to Machine Learning, Machine Learning in Finance, Reinforcement Learning in Game. Currently, I have taken up subjects like Algorithms and Web Development. I have done my undergrad in Computer Science from Lovely Professional University, India.

Right after my undergrad, I joined Digismart Digital Media (Times Internet), a leading name in IT and Media solutions, as a Data Analyst and worked there for 3 years. Apart from being a Data Analyst, I have also worked as an Automation Engineer for the product team for applications like Qureka, Databack and Taskbucks. My overall work experience in Times Internet has given me exposure to different Machine Learning pipelines and analytical tools, technologies and methodologies. I have successfully delivered solutions to critical development projects on time and with quality and have been awarded 'On the spot award' twice for this work. I successfully created and tested complex data modelling and time series analysis for the product and marketing team.

As a Data Analyst, I developed predictive models to optimize our marketing efforts and remove bottleneck situations. My team and I also supported the Product team by automating Data extraction, cleaning and building pipelines to reduce the time needed to infer insights. During my 3 years of experience, I developed excellent communication skills, understanding of algorithms, excelled in working with Python frameworks like Numpy, Pandas and matplotlib, thorough understanding of SQL, and excellence in applied statistics. I applied these skills daily and performed exceptionally at the company. I also collaborated with five other team members and mentored more than 20 employees on various Data Science modelling tools and our team won the best mentor award by the count of votes.

I aim for roles that involve challenging tasks and productive output. My work experience aligns me with my desired role, and I wish to apply my learnings from both my school and work to the new role that I am pursuing.

I am passionate about Machine Learning and have developed multiple projects in a broad range of spectrum including building **Financial Models, Game AI and RSNA brain hemorrhage detection**. In the project, we used various ML models ranging from Naive Bayes, GARCH model, Kalman Filter, Random Forest and Deep-Q learning. For my spam detection problem, I trained and tested the models on a public dataset with over 1000 emails and with a train-test ratio of 9:1 by preprocessing and cleaning datasets using sophisticated techniques like Word stemming, Lemmatization and Normalization. We then used around 3000 most frequent words and thereby created features matrix and data dictionary to train and test all ML models with the highest accuracy of 97.69% by Naïve Bayes.

Thank you in advance for your time and consideration. I would really appreciate an interview opportunity and look forward to hearing from you soon.