

My name is Sai Nikhil Thirandas. I am currently enrolled as a Graduate student in the **Applied Mathematics** program at **Northeastern University**, Boston. My current GPA is 3.78/ 4. And I will be graduating by April 2022.

I earned my bachelor's degree from the "Indian Institute of Technology, Kharagpur (2009 - 13)". Post this; I have an overall work experience of around 7.5 years as a Software Engineer, and my work involved problem-solving in the areas of Image Processing, Optical Character Recognition, Enterprise Application Development, Accessibility Evaluation, Data Engineering, and Machine Learning at the companies Altair Engineering, Oracle, Hitachi Vantara. Before I started my master's, I had a job offer for the L62 role at Microsoft [[Offer Letter](#)]. However, I preferred to pursue a master's instead in order to move from Software Engineering to Machine Learning.

I chose to pursue a master's education to enhance my knowledge in the field of Machine Learning. I am currently interested in the "Machine Learning Engineer/ Data Scientist/ Quantitative Researcher Internships/ Co-ops (Summer/ Fall 2021)" opportunities.

My coursework includes the following courses:

Completed/Active Coursework:

- MATH 5131 – Mathematical Methods and Modeling
- MATH 5110 – Applied Linear Algebra
- MATH 7241 – Probability I
- CS 6140 – Machine Learning
- MATH 7343 – Applied Statistics

Academic Transcript: [Current Grades](#)

Upcoming Coursework:

- CS 6120 – Natural Language Processing
- OR 7240 – Integer and Nonlinear Optimization
- CS 7140 – Advanced Machine Learning (Graphical Models, Latent Dirichlet Allocation, MCMC, GAN, etc.,)

My Research:

- Time Series Analysis of average runs of opening batters of baseball using Markov Chain [\[1\]](#)
- Study of Predator-Prey Model with weak Allee effect and Pesticide Usage [\[2\]](#)
- Numerical Algorithm for solving Non-Homogeneous Time Varying Coefficient Coupled ODE [\[3\]](#)

I have self-learned courses related to Machine Learning from [Coursera](#)/ [LinkedIn Learning](#), and I have worked on several personal and academic projects ([GitHub](#)) accordingly.

I am further interested to work in the roles formed at the intersection of Programming & Math at a fast-paced, growing tech company like yours. I took a visionary and gut decision by giving up on L62 at Microsoft to pursue a master's and bridge the missing gaps to achieve my long-term goals.

Thank you for your time!

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