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](http://saint1729.me/MS_India_Offer_Letter_Master_FY21_V1.pdf)]. 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](http://saint1729.me/transcript.pdf)

**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]](http://saint1729.me/MATH7241.pdf)
* Predator-Prey Modeling with Lotka-Volterra with weak Allee effect and Pesticide Usage [[2]](http://saint1729.me/MATH5131.pdf)
* Numerical Algorithm for solving Non-Homogeneous Time Varying Coefficient Couped ODE [[3]](http://saint1729.me/IITKGP.pdf)

I have self-learned courses related to Machine Learning from [Coursera](https://www.coursera.org/user/cec18b9a1998670a3cc03fcd51a1be8a)/ [LinkedIn Learning](https://www.linkedin.com/in/saint1729/), and I have worked on several personal and academic projects ([GitHub](https://github.com/saint1729)) 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. Hence, I took a visionary decision to pursue formal education and fill the missing gaps to achieve my long-term career goals.

Thank you for your time!

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