

# ANAND KRISHNAMOORTHY

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<https://anandkrishnamoorthy1.github.io/>

## EDUCATION

**Harvard Extension School**, Cambridge, MA , GPA: 4.0

Jun 2020 – Aug 2020

- Courses: Introduction to Deep Learning

**Northeastern University, Khoury College of Computer Science**, Boston, MA

Sept 2019 – present

Candidate for a Master of Science in Data Science, GPA: 3.7

**Expected Graduation:** Aug 2021

- Courses: Linear algebra and probability, Algorithms, Natural Language Processing, Supervised Machine Learning, Unsupervised Machine Learning, Reinforcement Learning

**Amrita School of Engineering**, Kollam, India

Aug 2011 - June 2015

- Bachelor of Science in Engineering
- Relevant Coursework: Calculus, Statistics, Vector calculus and Differential Equations, Operations Research, Computer Programming

## TECHNICAL KNOWLEDGE

**Tools:** Python, PyTorch, Keras, SQL, ETL (Informatica), Big Data, Excel and Tableau

**Databases:** MySQL, Oracle 11g (SQL, PL/SQL)

**Certifications:** Applied Data Science with Python Specialization (University of Michigan),  
Deep Learning Specialization (by Andrew Ng)

## EXPERIENCE

**Teaching Assistant**

Apr 2020 – Jun 2020 & Sep 2020 – present

- Hold office hours with students to review materials, clarify doubts and pending questions, and aid on assignments.

**Yes Bank hackathon (Data Scientist)**

Oct 2018 - Dec 2018

- Won third place (from 6000+ participants) for developing the Ticket Automator Solution (TAS) in the YesBank global datathon. Received citations of the Ticket Automator Solution (TAS) in a few tech-blogs.
- Delivered Proof of Concept for automation of customer logs. Proposed the model that classifies customer logs into different buckets, highlights the key phrases and assigns priority for the customer logs.

**Tata Consultancy Services (Systems Engineer)**

Mar 2016 - Jul 2019

- Developed a ML and NLP based solution for classifying and suggesting probable resolution steps for service tickets, which can drastically reduce manual effort.
- Worked in Analytics framework solution, a Machine Learning development environment used for swift development of Machine Learning models.
- Developed a unique data augmentation technique using Genetic Algorithm (GA) which improved the performance of the machine learning model significantly.
- Built a software IDEA, having modules for classifying blocks into different domains, extracting tables, summarizing text and parsing dependencies on PDF files.
- Developed POC and organized presentations of Log Analytics solution for CITI customers using Python, HDFS, and HIVE that helps in automation of Log files.
- Built Smart Mapper, a SQL solution, which reduced the manual effort of the Data Modelers by 10%.
- Understand Customer requirements and develop ETL mappings and dashboards for Data Warehousing projects.

## ACADEMIC PROJECTS

**Which celebrity do you resemble?**

Harvard University, Cambridge, MA

Jun 2020 – Aug 2020

- Developed a model by employing data augmentation, transfer learning and Face detection techniques to recognize 33 celebrity faces.

**Heat Transfer through Multi Material Domain**

Indian Space Research Organization - ISRO (Research Intern)

Feb 2015 - May 2015

- Conducted a research project on Heat Transfer through Multi Material Domain.