

# Ananth Shreekumar

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## 🎓 EDUCATION

### Integrated Master of Technology - Computer Science Engineering

AUGUST 2016 - PRESENT

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY - BANGALORE (IIIT-B)

7th Semester Student, Current Cumulative GPA : 3.88 / 4.0

🔗 TRANSCRIPT

Sem 1 : 3.93 / 4.0      Sem 2 : 3.85 / 4.0      Sem 3 : 3.75 / 4.0

Sem 4 : 3.88 / 4.0      Sem 5 : 4.00 / 4.0      Sem 6 : 3.90 / 4.0

### Course List

**Online Courses** : Machine Learning Course by Andrew Ng, Stanford University on Coursera

**Theory and Systems** : Data Structures • Algorithms • Theory of Computation • Operating Systems • Database Systems

**Data Science** : Machine Learning • Automatic Speech Recognition • Visual Recognition • Learning and Cognitive Systems

**Mathematics** : Linear Algebra • Convex Optimization • Discrete Mathematics • Probability Theory • Calculus

**Others** : Digital Design • Signals and Systems • Computer Architecture • Computer Networks

### Examination Results

All India IIT-JEE Mains, 2016	Rank 10,868	~1.2 Million attended
Karnataka Common Entrance Test, 2016	Rank 98	~120 Thousand attended
Karnataka State Pre-University, 2016	Score 92.5%	Mathematics : 100 / 100
Indian Certificate of Secondary Examination, 2014	Score 94.0%	Mathematics : 98 / 100

Medium of Instruction throughout : **ENGLISH**

## 💻 PROJECTS

### Open Set Recognition Methods for Urine Sample Analysis

RESEARCH INTERN - COMPUTATIONAL SCIENCES LABORATORY - IIIT-B

FEBRUARY 2019 - JULY 2019

Implementation of the open-set recognition method OpenMax and its application to urine sample analysis. The algorithm follows the paper [Towards Open Set Deep Networks \(Abhijit Bendale & Terrance E Boult, 2015\)](#). Also tried to come up with new ways that could help distinguish “artifacts” from positive class samples.

### Bangalore Metropolitan Transport Corporation - Cost Minimization

PROJECT INTERN

JANUARY 2018 - MARCH 2018

Optimization of the bus schedule for Bangalore Metropolitan Transport Corporation so that their cost of operation was reduced while respecting several constraints.

### Toxic Comments Classification

5TH SEMESTER - GEN511: MACHINE LEARNING

SEPTEMBER 2018 - NOVEMBER 2018

Trained a multi-label machine learning classifier that could classify comments found online into one or many of the classes that denote levels of vituperative content.

**REPORT**

### Simple As Possible - 1 Computer

2ND SEMESTER - ESS102: DIGITAL DESIGN

MARCH 2017 - MAY 2017

Built the Simple As Possible Computer - 1 in Verilog.

**CODE**

For a complete list of projects, please visit my [PORTFOLIO](#)

## TECHNICAL SKILLS

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**Programming Languages :** Python • C • C++

**Data Science :** Numpy • Scikit-Learn • Tensorflow • Keras

**Tools :** Git •  $\text{\LaTeX}$  • OpenCV

**Basic :** MySQL • Linux • Web Dev

## ACHIEVEMENTS

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Selected for **Dean's Merit List** at IIIT-B for two consecutive years.

2017, 2018

Received **Merit Scholarship** at IIIT-B.

2017

**National Rank Winner** of the 2nd International Level Science Talent Search Exam.

2007

## HOBBIES AND INTERESTS

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**Learning Japanese** using the Genki Textbooks and Anki App.

Played **Table Tennis and Football** at School Level and participated in many local tournaments.