Ananth Shreekumar

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🏛 EDUCATION

Integrated Master of Technology - Computer Science   August 2016 - Present

International Institute of Information Technology - Bangalore (IIIT-B)

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

Course List

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 Entrace 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

💼 EXPERIENCE

Teaching Assistant

GEN512: Mathematics for Machine Learning   August 2019 - Present

Responsibilities include handling tutorial classes and paper evaluation.

Research Intern

Computational Sciences Laboratory - IIIT-B   January 2019 - July 2019

Worked on Open Set Recognition methods like softmax thresholding, OpenMax and tried to come up with new methods.

⌨ PROJECTS

Open Set Recognition Methods for Urine Sample Analysis

Research Intern - Computational Sciences Laboratory - IIIT-B   January 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 out-of-class samples from in-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.

For a complete list of projects, please visit my Portfolio

💻 TECHNICAL SKILLS

Programming Languages : Python • C • C++

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

Tools : Git • LaTeX • OpenCV

Basic : MySQL • Linux • Web Dev.

🏆 ACHIEVEMENTS

Selected for **Dean's Merit List** at IIIT-B for two consecutive years.   2017, 2018

Received **Merit Scholarship** at IIIT-B for two consecutive years.   2017, 2018

Pratibha Puraskara award by the local community for academic excellence.   2014

⭐ HOBBIES AND INTERESTS

Learning Japanese using the Genki Textbooks and Anki App.

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