

# ANANTH SHREEKUMAR

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## EDUCATION

### Integrated Master of Technology - Computer Science

AUG 2016 - PRESENT

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

• 8th Semester Student, CGPA : 3.9 / 4.0

[\[TRANSCRIPT\]](#)

• 5 year program, Expected Graduation : July, 2021

## EXPERIENCE

### Research Intern - Open Set Recognition Methods for Microscopic Urinalysis

JAN 2019 - JUL 2019

COMPUTATIONAL SCIENCES LABORATORY - IIIT-B

PROF. G N SRINIVASA PRASANNA

- Open Set Recognition methods that accurately classify in-class (positive) samples and reject out-of-class samples.
- Implementation of the existing technique OpenMax as an application to this dataset.
- Created a novel approach that increased rejection accuracy by 10% while maintaining positive class accuracy at 85%.
- Co-authored a paper that was accepted at "Medical Imaging meets NeurIPS 2019" workshop, 33rd Conference on NeurIPS.

### Teaching Assistant

AUG 2019 - DEC 2019

MATHEMATICS FOR MACHINE LEARNING - IIIT-B

- Responsibilities included handling tutorial classes, problem solving sessions and exam paper evaluation.

## PUBLICATIONS

- T. Dutt, G.N.S. Prasanna, T.R. Dastidar and Ananth Shreekumar. "Towards Artifact Rejection in Microscopic Urinalysis". Medical Imaging meets NeurIPS 2019 workshop, 33rd Conference on Neural Information Processing Systems. [\[PDF\]](#)

## PROJECTS

### E-Commerce Bargaining Agent

AUG 2019 - PRESENT

7TH SEMESTER - ARTIFICIAL INTELLIGENCE COURSE

PROF. SHRISHA RAO

- Implementation of an E-Commerce Agent that will ultimately have the ability to bargain with a user by offering discounts and recommending product bundles, while also being able to evaluate counter-offers made by the user.
- Evaluate offers using the Thomas-Kilmann Conflict Mode instrument and propose counter-offers using the BOA Model.

### Bangalore Metropolitan Transport Corporation - Cost Minimization

JAN 2018 - MAR 2018

PROJECT INTERN - IIIT-B

PROF. V N MURALIDHARA

- Optimization of the Bangalore Metropolitan Transport Corporation bus schedule to minimize their cost of operation.
- Constraints included a time table and the number of buses along a route.

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

## EXTRA-CURRICULARS

### Global Leader Experience, Bangalore

DEC, 2019

CONDUCTED BY COMMON PURPOSE

- This week-long program was designed to build leadership and team working skills and to develop Cultural Intelligence.
- The theme: "How do you ensure that technological innovation provides economic as well as social value in cities?"
- Worked with students from King's Business School, London to provide a solution for a complex problem in Bangalore.

## TECHNICAL SKILLS

Programming Languages : Python • C++ • C

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

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

Others : SQL • Linux • Web Dev.

## ACHIEVEMENTS

Selected for Dean's Merit List at IIIT-B for three consecutive years for academic excellence

2017 - 2019

All India IIT-JEE Main Examination - Scored in the 99th percentile

2016

Karnataka State Common Entrance Test - Rank 98 / approx. 120,000 candidates

2016