ANANTH SHREEKUMAR

4th year Student of Integrated MTech in Computer Science at IIIT-B

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EDUCATION

Integrated Master of Technology - Computer Science   AUG 2016 - PRESENT

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

- 7th Semester Student, CGPA : **3.88 / 4.0**   🔗 TRANSCRIPT
- 5 year program, Expected Graduation : **July, 2021**

EXPERIENCE

Teaching Assistant   AUG 2019 - PRESENT

MATHEMATICS FOR MACHINE LEARNING - IIIT-B

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

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 maintained positive class accuracy at 85% while also increasing rejection accuracy by 10%.
- Contributed to a paper that was accepted at "Medical Imaging meets NeurIPS 2019" workshop, 33rd Conference on Neural Information Processing Systems.

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 the BOA Model.
- Currently in the experimentation phase.

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 cost of operation.
- Constraints included a strict time table while maintaining the number of buses along a route.
- Achieved about a 4% decrease in cost.

PUBLICATIONS

- Tarun Dutt, Ananth Shreekumar, G.N.S. Prasanna and T.R. Dastidar. "Towards Artifact Rejection in Microscopic Urinalysis". In Medical Imaging meets NeurIPS 2019 workshop, 33rd Conference on Neural Information Processing Systems.

TECHNICAL SKILLS

Programming Languages : Python • C • C++   **Tools** : Git • LaTeX • OpenCV
Data Science : Numpy • Scikit-Learn • Tensorflow • Keras   **Basic** : SQL • Linux • Web Dev.

ACHIEVEMENTS

Selected for **Dean's Merit List** at IIIT-B for three consecutive years for academic excellence.	2017 - 2019
Received **Merit Scholarship** at IIIT-B for two consecutive years.	2017 - 2018
All India **IIT-JEE Main** Examination - Scored in the 99th percentile	2016
Karnatake State **Common Entrance Test** - Rank 98	2016
National Rank Winner of the 2nd International Level Science Talent Search Exam.	2007