Ananth Shreekumar

✉ ananthshreekumar@gmail.com • 🌐 Portfolio • ⚙ Github • 📞 (+91) 88848 55983

EDUCATION

Integrated Master of Technology - Computer Science   Aug 2016 - Present

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

- 8th Semester Student, CGPA : **3.89 / 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 • 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
Karnatake State **Common Entrance Test** - Rank 98 / approx. 120,000 candidates   2016