

ANANTH SHREEKUMAR

✉ ashreeku@purdue.edu
🌐 thiswasnttaken.github.io
☎ +1 (765) 767 1346

EDUCATION

Master of Science in Computer Science

PURDUE UNIVERSITY

- GPA : **4.0 / 4.0**

JAN 2022 - PRESENT
WEST LAFAYETTE, IN, USA

Integrated Master of Technology in Computer Science and Engineering

INTERNATIONAL INSTITUTE OF INFORMATION TECHNOLOGY BANGALORE - IIIT-B

- Integrated Bachelor's + Master's program, GPA : **3.92 / 4.0**

AUG 2016 - JUL 2021
BANGALORE, INDIA

EXPERIENCE

American Express

SOFTWARE ENGINEER, ENTERPRISE ARCHITECTURE TEAM

- Integrating **machine learning capabilities** to the logging, monitoring, and observability framework.
- Implemented a framework that performs automated log analysis on **real-time log data**.

AUG 2021 - DEC 2021
BANGALORE, INDIA

PYTHON ADTK ELASTIC SEARCH LOGSTASH KIBANA

Siemens Healthineers

TECHNICAL INTERN, CENTER FOR INNOVATION IN DIAGNOSTICS TEAM

- Implemented a pipeline to predict the onset of Sepsis in ICU patients using **deep learning**, specifically LSTMs.
- The model's performance **exceeded 87% on Accuracy, F1-Score, Specificity, and Sensitivity metrics**.

JAN 2021 - JUL 2021
BANGALORE, INDIA

PYTHON TENSORFLOW NUMPY PANDAS MATPLOTLIB SCIKIT LEARN

Purdue University

TEACHING ASSISTANT

- For MA 165—Calculus 1, an **undergraduate course** introducing **calculus** to freshmen.
- Responsibilities include handling **recitation classes**, office hours, and forum moderation.

AUG 2022 - PRESENT
WEST LAFAYETTE, IN, USA

PUBLICATIONS

- **Ananth Shreekumar**, Biswesh Mohapatra, and Shrisha Rao. Oct 2020. Incorporating Autonomous Bargaining Capabilities into E-Commerce Systems. In *Proceedings of the 20th ACM International Conference on Intelligent Virtual Agents (IVA '20)*. Association for Computing Machinery, NY, USA, Article 51, 1–8. doi: [10.1145/3383652.3423865](https://doi.org/10.1145/3383652.3423865)
- Tarun Dutt, GNS Prasanna, TR Dastidar, and **Ananth Shreekumar**. Dec 2019. Towards Artifact Rejection in Microscopic Urinalysis. In *Medical Imaging meets NeurIPS 2019 workshop, 33rd Conference on Neural Information Processing Systems*. Vancouver, Canada. [\[PDF\]](#)

TECHNICAL SKILLS

Programming Languages : Python • C++ • C

Data Science : Pytorch • Tensorflow • Keras • NumPy • Pandas • Matplotlib

Tools : Git • Docker • \LaTeX

Others : SQL • XML • Linux

SELECTED PROJECTS

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

A Bargaining Agent for E-Commerce

PROF. SHRISHA RAO

- Implementation of an E-Commerce Agent that has the ability to bargain with a user.
- Involves offering discounts, recommending product bundles, and evaluating counter-offers made by the user.
- Work accepted as a full paper at the **20th ACM International Conference on Intelligent Virtual Agents (IVA'20)**.

AUG 2019 - DEC 2019
IIIT-B

PYTHON FLASK

RELEVANT COURSEWORK

- Machine Learning
- Algorithm Design and Analysis
- Computer Networks
- Reinforcement Learning
- Database Systems
- Object Oriented Programming
- Computer Vision
- Compilers
- Data Structures
- Operating Systems