Eshan Ramesh

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esrh.me

Education

2021-Present **B.S Computer Science**, *Georgia Institute of Technology*, Atlanta, GA, Anticipated graduation in 2024

Experience

2022-2023 **Intern**, *NTT Network Innovation lab (未来ねっと研究所), Frontier Communications group*, Yokosuka, Japan
Developed machine learning models (tensorflow regerssion) to predict 5G throughput from physical information via LiDAR. Worked on autonomous robots in ROS to gather data. Presented at IEICE SeMI 2023.

2022 (summer) **Undergraduate researcher**, *Communications architectures research group*, Atlanta, GA
Worked on single-access-point active localization with software defined radio. Work sponsored by NSF REU.
Technology: GNUradio, USRP, Python, NumPy

2021-2022 **Researcher**, *Agile communications and architectures vertically integrated project*, Atlanta, GA
Worked on the passive-localization/activity detection problem with software-defined radio.
Technology: GNUradio, Software Defined Radios(USRP), Python, Tensorflow, NumPy.

2020 **Researcher**, *Florida State University Young Scholars Program*, Tallahassee, FL
Analyzed plankton biomass data from National Ecological Observatory Network.
Technology: Python, Tensorflow, NumPy, Pandas, Matplotlib, Scikit-learn.

Projects

py-NEONutils Libary to download and organize NEON(National Ecological Observatory Network) data. Used Python and Pandas.

AMES Generate audiovisual context for spaced-repetition flashcards automatically. Written in shell.

Computer skills

Languages **Python, Java, Bash, Lisp dialects (Elisp, Clojure, Common Lisp)**
Technology **GNU/Linux, Git, LaTeX, Emacs**
Libraries **Tensorflow, NumPy, Pandas, Matplotlib, Scikit-learn**

Natural Languages

English Native
Japanese Fluent
Kannada Beginner
French Beginner