Eshan Ramesh

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esrh.me

Education

2021-Present	**B.S Computer Science**, *Georgia Institute of Technology*, Atlanta, GA, Anticipated graduation in 2023

Experience

2021-Present	**Researcher**, *Agile communications and architectures lab*, Dr. Matthieu Bloch, Atlanta, GA
	Developed passive localization system using OFDM-based WiFi. Working on applying machine learning algorithms for localization.
	Technology: GNUradio, Software Defined Radios(USRP), Python, PyTorch, NumPy.
2020	**Researcher**, *Florida State University Young Scholars Program*, Tallahassee, FL
	Analyzed plankton biomass data from National Ecological Observatory Network. Identified significant variables out of 44 water chemistry metrics, then trained 7 regression models including neural networks.
	Technology: Python, Tensorflow, NumPy, Pandas, Matplotlib, Scikit-learn.

Personal 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.
nyaatouch	Highly customized ergonomic modal editing scheme for GNU emacs

Computer skills

Languages	**Python, Java, C++, Shell, Lisp dialects (Emacs lisp, Clojure, Common Lisp)**
Technology	**GNU/Linux, Git, LaTeX, Emacs**
Libraries	**Tensorflow, PyTorch, NumPy, Pandas, Matplotlib/Seaborn, Scikit-learn**

Languages

English	Native	
Kannada	Native	
Japanese	Fluent	*Comprehensible input/immersion approach*
French	Beginner	