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 vertically integrated project*, Dr. Matthieu Bloch, Atlanta, GA
Radio-based localization using machine learning via wireless communication protocols.
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.

2019-2020 — **Researcher**, *Oviedo High School*, Oviedo, FL
Worked on recurrent neural networks to forecast ocean carbon and acidification patterns to compete in science fair.
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, C++, Shell**
Technology	**GNU/Linux, Git, LaTeX, Emacs**
Libraries	**Tensorflow, PyTorch, NumPy, Pandas, Matplotlib/Seaborn, Scikit-learn**

Hobbies

- Competitive programming
- Contributing to free/open source software
- Language learning

Languages

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