Sujay Nair

Research Website, Google Scholar, snair303@gatech.edu, 1-530-400-1064, Atlanta

EDUCATION	**Georgia Institute of Technology (GPA 4.0)** 2022-2026
	Deans Scholarship for College of Sciences
	Candidate for Bachelors in Computer Science
	Candidate for Bachelors in Mathematics
	Relevant Coursework:
	1st Semester: Linear Algebra, Object Oriented Programming
	Stanford Online High School / California High School (GPA 3.9) 2019-2022
	Relevant Coursework (Completed):
	12th: Multivariable Calculus, Advanced Topics in Computer Systems, Data Science
	11th: Linear Algebra, Differential Equations, Data Structures & Algorithms in Java

RESEARCH EXPERIENCE

Research Internship (NASA JPL)

Research internship with Dr. Kyle Pearson using convolutional neural networks to detect Extrasolar Planet transits and recurrent neural networks to predict planetary parameters.

> "Sequence-based Encoding of Light Curves for Exoplanet Detection"
> Sujay Nair, Kyle Pearson
> *Presented: IPoster presentation for AAS 238*

Researcher (NASA Exoplanet Watch)

Updating exoplanet properties using light curve data: Publications at American Astronomical Society (AAS), Publications of the Astronomical Society of the Pacific (PASP), Journal of Double Star Observations (JDSO), Society for Astronomical Sciences (SAS), Exoplanet3 Heidelberg, and ExoDem Caltech.

HONORS & AWARDS	**Betty Neall Youth Award of Merit**, East Bay Astronomical Society	2021
	1st Place, Washington State Science and Engineering Fair	2021
	Wolfram Research Award, Washington State Science and Engineering Fair	2021
	NASA Earth System Science Award, Washington State Science and Engineering Fair	2021
	Select Interview for the Research Notes of the American Astronomical Society, American Astronomical Society	2020
	President's Award for Educational Excellence, President's Educational Awards	2019

ADDITIONAL COURSEWORK	**Data Science Specialization (10 Courses)**, Johns Hopkins University	2018-19
	Deep Learning Specialization (5 Courses), deeplearning.ai	2019-20
	XSeries Program in Astrophysics (4 Courses), Australian National University	2020-21

TECHNICAL SKILLS

Coding/Data Analysis: Deep Learning, Python (PyTorch, Tensorflow, Numpy), R, Java, C, C++, Google Cloud Platform

Astronomy: Exoplanets, Double Stars, Astrophysics