


# Anudeep Yakkala

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## Education

**Purdue University (West Lafayette)**  
B.S. Computer Science  
3.74 GPA, Graduating May 2022  
Dean's List (2018/2019)



## Skills

**Languages:** Java, C, Python, HTML/CSS

**Other:** Unix/Linux, Machine Learning,  
Data Analysis, Firebase, Git



## Coursework

Object-Orientated Programming in Java  
Programming in C  
Programming in Python  
Data Structures and Algorithms  
Introduction to Machine Learning  
Computer Architecture  
Discrete Mathematics  
Multivariable Calculus  
Linear Algebra  
Introduction to Statistics  
Principles of Macroeconomics  
Principles Microeconomics



## Involvement

### Floor Senator

Represent my floor in Executive Board meetings. Plan Weekly floor events and manage our budget to make the floor a better place for the residents.

### SIGAPP Developer

Work with the Police Department to develop a mobile application that modernizes the Purdue safe-walk program to make it more accessible for students.



## Experience

### Viasat

September 2019 - Present

Data Science Intern

- Utilize FADER, a Framework for Anomaly detection, to find and categorize anomalous events in de-anonymized time series data
- Detect and explore anomalous behavior in our global satellite network to prevent undesired network outages, congestion, and degradation
- Implement a fully functional GUI for FADER and improve general functionality

### Hello World Hackathon

March 2019 - Present

Organizer

- Obtain a venue and coordinate catering for the day of the hackathon
- Assess applications, interview, and select Mentors to assist participants
- Organize workshops prior to and during the event to provide participants with technical skills that they can use during the hackathon

### TutorSync

April 2018 – October 2018

Tutor

- Taught math and science to middle schoolers through private tutoring sessions to help students with homework and prepare them for tests
- Proofread essays and provided feedback to help students improve their writing



## Projects

### Heart Disease Predictor

August 2019

- Developed a random forest model to predict if someone has Heart Disease using factors such as age, blood pressure, and heart rate
- Varied n-estimators, tree depth, maximum features, and minimum impurity split to optimize the model
- Achieved 85% accuracy, 84% true-positive rate, and 88% true-negative rate after training the model and testing it with various inputs

### Rugby Data Analysis, Datafest Hackathon

March 2019

- Worked with a team of five to construct an algorithm that standardizes data from a woman's rugby team and calculates a "wellness factor" for each player
- Analyzed how "wellness factor" is correlated with game performance and created visualizations to present our findings

### Budget Manager, Boilermake Hackathon

October 2018

- Collaborated with a team of three other participants to build a website that allows users to manage their finances
- Implemented authentication and stored user information through Firebase
- Designed an algorithm to provide users with a personalized spending goal so that they can save for items on their Wishlist