

# Anudeep Yakkala

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## Education

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



## Skills

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

**Other:** Unix/Linux, Machine Learning, Data Analysis, SQL, Git, React, Node.js



## Coursework

Object-Orientated Programming in Java  
Programming in C  
Programming in Python  
Data Structures and Algorithms  
Systems Programming  
Software Engineering I  
Software Testing  
Introduction to Machine Learning  
Computer Architecture  
Discrete Mathematics  
Linear Algebra



## Involvement

**Hello World Hackathon Organizer**  
Obtain a venue and coordinate catering for 300+ participants. Select mentors and organize workshops to assist the participants.

### 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

### Google, Inc.

May 2020 – August 2020

STEP Intern

- Created a web application that streamlines the grocery shopping experience
- Designed the entire web application from scratch, drafted design document and system diagrams for full stack system
- Implemented backend APIs to manage the transfer of information between the UI and a Google Spanner Database, web scraping to obtain real-time item data, and UI components for the preferences and store recommendation pages
- Full stack development using Google App Engine, React, Java Servlets, Python

### Purdue University

January 2020 – May 2020

Undergraduate Teaching Assistant

- Attended assigned two-hour lab sessions to assist students with their lab assignments and grade their work
- Hosted office hours to help students with homework assignments and strengthen their understanding of concepts covered during lecture
- Tested lab assignments prior to their release to find and resolve any issues
- Answered student submitted questions on the course's 24/7 online help board

### Viasat, Inc.

September 2019 – January 2020

Data Science Intern

- Utilized FADER, a Framework for Anomaly detection, to find and categorize anomalous events in de-anonymized time series data
- Detected and explored anomalous behavior in our global satellite network to prevent undesired network outages, congestion, and degradation
- Implemented a fully functional GUI for FADER and improved general functionality



## Projects

### Betterbnb

January 2020

- Created a web application that provides booking website users a more complete and honest view of the listings being recommended to them
- Integrated various APIs to provide users with crime statistics, notable nearby attractions, weather information, population statistics, and nearby lodging
- Implemented functionality allowing users to filter listings based on selected preferences and save listings to their account

### 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