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, SQL, 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