MUKUND SHANKAR

Washington DC | (240) 413-1166 | smukund23@gmail.com | www.linkedin.com/in/mukund~shankar
Available to work starting May 15th, 2023

EDUCATION

University of Maryland College Park, Maryland
BSc. Computer Science, Machine Learning Track *Expected* Spring 2025
College of Mathematical and Natural Sciences
Global Communities Honors Program. Dean's List
Cumulative GPA: 3.62

Relevant Coursework: Object-Oriented Programming, Discreet Structures, Computer Systems, Algorithms, Programming language organization

TECHNICAL SKILLS

Proficient in Python, Java, C, Linux, intermediate skill in HTML, CSS, JavaScript, learning SwiftUI

WORK EXPERIENCE

University of Maryland Computer Science Department
Undergraduate Teaching Assistant August 2022-current

- Hold office hours, guiding students through course content of Object-Oriented programming and explaining class projects.
- Organize additional study sessions before exams/midterms to clarify key concepts to students, attended by 200+ students.
- Communicate with students' via emails and help solve complex algorithmic questions in Java.

LEADERSHIP EXPERIENCES

Global Communities Honors Program College Park, MD
Honors Student September 2021-current

- Invited to an inclusive community of scholars with diverse backgrounds to enhance intercultural communication skills.
- Collaborate with students to investigate and analyze the effects of globalization on the environment worldwide.

International Renewable Energy Agency Abu Dhabi, UAE
Intern and Youth Conference Participant January 2020

- Proposed using AI to predict power shortages to reroute energy, recognized by Director-General of European Commission.
- 1 of 20 selected to observe international dignitaries debate and interact with participants of the conference.
- 1 of 45 selected to engage in discussions to present solutions to renewable energy issues discussed in the conference.

PROGRAMMING EXPERIENCE

Personal Projects
Heart Disease Prediction Software March-April 2022

- Programmed a machine learning model in Python using a random decision forest to predict heart disease diagnoses.
- Achieved 91% accuracy on the machine learning model, using python libraries such as numpy, pandas, sklearn, and seaborn.

Sports News Application February-March 2022

- Developed a Java application which fetches current standings for several sports using online league standings.
- Used Java Swing API to create a GUI for the application using widgets such as buttons, labels, and tables.
- Used Java net API to connect to webpages and scrape relevant information to display to users.

Personal organizer January-June 2021

- Developed application for Windows using Python to keep a to-do list, calendar, and high school student schedule.
- Developed intuitive GUI using I/O recognition so users could easily navigate and customize the app.

EXTRACURUCCULAR ACTIVITIES

Engineers Without Borders 2022-current
Robotics at UMD 2022-current
Big Think AI Club 2021-current
Open Sourcery (Programming project club) 2021-current
UMD Club Tennis 2021-current

LANGUAGES

Fluent in English, French, Tamil, Hindi/Urdu; Advanced in Arabic