

# Farhan Sadeek

sadeekfarhan21.github.io | sadeek.1@osu.edu | 614-384-1832

## EDUCATION

### STAFORD UNIVERSITY CONCURRENT ENROLLMENT STANFORD, CA

Data Analysis with Python  
Data Structures and Algorithms

### THE OHIO STATE UNIVERSITY CONCURRENT ENROLLMENT COLUMBUS, OH

Real and Complex Analysis\*  
Honors Linear Algebra\*  
Differential Equations\*  
Multi-variable Calculus  
Computer Architecture\*  
Computer Vision\*  
Operating System\*  
Discrete Mathematics  
Object-Oriented Programming  
Data Structures and Algorithms  
Database Systems\*  
Software Development and Design  
Engineering Physics  
Engineering Statistics\*

### DUBLIN COFFMAN HIGH SCHOOL DIPLOMA MAY 2025 | DUBLIN, OH Cum. GPA: 4.54 / 4.0 AP Physics C: Mechanics AP Physics C: Electricity & Magnetism AP Calculus AB/BC AP Computer Science A AP Chemistry AP German AP Macro/Microeconomics\* AP Statistics\*

## LINKS

Github:// [SadeekFarhan21](#)  
LinkedIn:// [farhansadeekde110/](#)

## SKILLS

### PROGRAMMING

Over 5000 lines:  
Java • C++ • Python • Javascript  
HTML • CSS •  $\LaTeX$   
Over 1000 lines:  
C • R • CSS • MySQL

### TOOLS & FRAMEWORKS

Tableau • Tidyverse • Tensorflow  
React • PyTorch • Excel • Pandas  
Plotly

## AWARDS

### 2023 Ohio State Hackathon Winner 2022

### AP Scholar with Distinction Ohio State Hackathon Winner 2021

Physics Olympiad Semifinalist  
Mathematics Olympiad Semifinalist  
Chemistry Olympiad Semifinalist

## ACTIVITIES

Competitive Programming Club  
Big Data and Analytics Association  
Artificial Intelligence Club  
Google Developer's Club

## EXPERIENCE

### SPECTRUM | TECHNICAL ANALYST

June 2023 - Present | Columbus, OH

- Provided technical assistance to customers, achieving an average first-call resolution rate of 87%.
- Conducted regular audits of resolved cases, ensuring a minimum customer satisfaction score of 91%.
- Actively participated in departmental meetings to discuss emerging trends, share best practices, and contribute to continuous improvement initiatives.

### KAGGLE | DATA ANALYST

Apr 2022 - Present | Mountain View, CA

- Leveraged expertise in Kaggle datasets to analyze and extract valuable insights, driving data-driven decision-making and enhancing business performance.
- Developed and implemented advanced machine learning models and algorithms using Kaggle datasets to solve complex problems and optimize business processes.
- Collaborated with cross-functional teams to develop data-driven strategies and initiatives aimed at improving business outcomes and customer satisfaction.

### COLLEGE BOARD | STUDENT RESEARCHER

Jan 2024 - Present | New York, NY

- Actively contributed as a student researcher in the AP Computer Science A project, offering insights into student experiences regarding test speed, question difficulty, and confidence levels.
- Demonstrated commitment to academic rigor by providing detailed responses to questions, adhering to research guidelines within a simulated test environment, and ensuring the quality and reliability of collected data.

### THE OHIO STATE UNIVERSITY | STUDENT RESEARCHER

January 2024 - Present | Columbus, OH

- Leading a comprehensive research study aimed at understanding the multifaceted impact of U.S. natural disasters on individuals from diverse backgrounds and identities.
- Employing a multifaceted approach to data analysis and visualization by leveraging Python libraries such as pandas and matplotlib, along with R packages like tidyverse and ggplot2, to uncover nuanced insights and trends within the collected datasets.
- Actively participating in weekly Zoom meetings with project collaborators to provide detailed updates on research progress.

### HARVARD UNIVERSITY | DATA SCIENCE INTERN

May 2022 - Jul 2022 | Cambridge, MA

- Collaborated with a team of student researchers to assist in the development of Dr. Kane's Harvard Class GOV 1005, focusing on data analysis and interpretation.
- Engaged in a comprehensive four-week training program gaining practical skills in data analytics and research methodologies.
- Conducted an in-depth analysis to investigate the impact of various economic indices on the population dynamics of a specific country, contributing valuable insights to the field of economic research.

## PROJECTS

### ASSETATLAS

- Developed a robust asset tracking system using Python, Pandas, and TensorFlow to monitor prices and details.
- Designed and implemented an intuitive user interface with Dash and Streamlit for seamless navigation and user experience.
- Ensured data security and confidentiality by implementing secure data management practices.
- Explored integration opportunities with other organizational systems to streamline asset management processes and enhance operational efficiency.

### CLIMAZEN

- Created a comprehensive weather application providing real-time updates and forecasts.
- Designed an intuitive and user-friendly interface optimized for ease of use and accessibility.
- Incorporated advanced geolocation services to deliver personalized weather updates based on user locations.
- Utilized diverse data sources, including meteorological databases and live feeds, to ensure accurate and up-to-date weather information.

### NETFLIX ANALYTICS

- Developed an interactive dashboard using Tableau to analyze subscriber trends, content popularity, and engagement metrics.
- Integrated geolocation services to examine regional viewing patterns and content preferences across 190+ countries.
- Leveraged advanced visualization techniques to present complex data in an easily understandable format.
- Collaborated with cross-functional teams to identify key performance indicators and develop data-driven strategies for content optimization and audience engagement.