

KARTHIK RAJ ARUKONDA

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Motivated student with experience programming, presenting, teaching, and leading groups. Consistently demonstrates the ability to navigate and execute challenges effectively. Exhibits multi-level interpersonal skills and leadership in direct interactions. Interested in learning about software development, data analysis, app development, and user-computer interactions.

EDUCATION:

Purdue University | Bachelor of Computer Science | Real Estate Minor | GPA: 4.0/4.0 | 2025

West Lafayette, IN

Metea Valley High School | GPA: 4.0/4.0 Unweighted, 4.53 Weighted | 2022

Aurora, IL

WORK EXPERIENCE:

Mara Elephant Project

Data Science Intern | August 2022 - Current

- Overlaid internal data into Google Earth Ranger to design and implement Geotiff maps into the front-end UI.

Purdue Electric Racing

Electronics Team Member | August 2022 - Current

- Designed tests to ensure that the different microcontrollers on the vehicle are able to properly communicate.
- Worked with a team to preserve parts from previous vehicles, saving hundreds of dollars.

UIC Women in Engineering Summer Program

Intern | June 2021 - August 2021

- Learned the basics of Electrical and Computer Engineering through projects using breadboards and Arduinos.
- Implemented the basics of Civil and Mechanical Engineering using CAD software and 3D printers.

JP Morgan Chase Software Engineer Virtual Experience

Intern | June 2020 - July 2020

- Visualized financial data to monitor trends between stocks to streamline the decision-making process for traders.

RELEVANT PROJECTS:

Sneaker Inventory Tracker | Python

Packages: Peewee (Database), Tkinter (Graphical User Interface), matplotlib (Data representation)

- Utilized Peewee and designed a user-friendly G.U.I. to allow users to read and write data to a database.
- Analyzed data using matplotlib to create graphics comparing variables to influence business decision-making.
- Maximized profits for my sneaker business, resulting in a gross revenue of 31k.

Automation Tools | Python

Packages: Chromium and Selenium (Browser automation), Tkinter (Graphical User Interface)

- Automated the purchasing process on several websites that sell high-demand items that sell out quickly, increasing the odds for the user of being able to buy the product.
- Designed bypasses for bot-detection software hosted by the website.
- Created a user-friendly G.U.I. to further simplify the purchasing process for users.

Socialize - Social Media Website | Python

Packages: Flask (website)

- Established a website where users could create accounts, edit their profiles, and make posts.
- Executed a system that allows different users to perform different actions depending on the account status.

Online Marketplace | Java

Packages: Applet (Graphical User Interface), Thread (Multithreading), Socket (Server-Client Interactions)

- Worked with a team to build a live marketplace where users could sell or buy items and view sales and purchasing analytics.

ADDITIONAL

- Relevant Classwork: Object-Oriented Programming, C Programming, Linear Algebra, Discrete Math
- Programming Languages: Python, Java, Swift, C, R
- Interests: Started a sneaker reselling business with a gross revenue of 24k in 2021. (2019 - Present); Amateur drone pilot - Have flown along the Pacific coast highway, shores of Maui and other locations around the country (2019 - Present); Automotive enthusiast - Travelled around the country to visit automotive unveilings and car shows (2018-present); Stock investor - Created a diverse portfolio of long and short term stocks (2017-present)