

# Aryan Gupta

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## Education

### Boston University

Boston, MA

**B.S. in Computer Engineering** (Dual Concentration: Machine Learning and Technology Innovation)

Expected May 2024

**Relevant Coursework:** Advanced Data Structures and Algorithms, Computer Organization, Machine Learning, Signals and Systems, Operating Systems, Empirical Economics, Differential Equations, Computer Networking

**Academic Achievements and Extracurricular:** Dean's List, Field Hockey, 180 Degrees Consulting, Acapella

## Skills & Certifications

**Software:** C ++, JavaScript, Python (Numpy, Sci-kit learn), React js, AWS, Figma, Git, Zenhub, Firebase, Machine Learning, Wireshark, Verilog,

**Certifications and Courses:** Certified Scrum Master, AWS Cloud Practitioner (In progress), Goldman Sachs Engineering Virtual Programme (Forage), JPMorgan Chase & Co SWE Virtual Programme (Forage)

## Work Experience

### Vend Park

Boston, MA

#### Software Engineering Intern

June – Present

- Utilizing **ZenHub** to implement **Agile** methodologies effectively, enhancing team collaboration and project efficiency.
- Contributing to product development using **Next.js** and React, advancing the platform's capabilities and user interface.
- Leading the development of an in-house License Plate Recognition (LPR) platform using **Machine learning** algorithms.

### Amnesia Media

Remote

#### Data Science Intern

July – August 2022

- Enhanced data visualizations for company's existing AI-driven module by prepping data with **Python(Sci-kit learn, Seaborn)**
- Validated an ML model that utilizes deep learning to classify social media posts, resulting in a 15% increase in model efficiency
- Worked with a team of 3 data scientists to create a **Yolo-v5** object detection model to identify overconsumption of cannabis buds

### College of Engineering, Boston University

Boston, MA

#### Tutor

January 2022 – Present

- Worked one on one with 20+ college of engineering students every week to help solve their academic problems
- Provided students with individualized assistance to help them learn new concepts for more than 10 courses

## Relevant Projects

### Virtual Closet (In progress)

June 2023 - Present

- Leading the development of a user-centric web application utilizing React for the frontend and Firebase for the backend to create an intuitive virtual closet for efficient management of clothes.
- Implementing advanced machine learning algorithms to analyze the closet inventory, enabling personalized outfit recommendations and mix-and-match suggestions based on the user's clothing items.

### Messenger Application Clone

May 2022

- Developed a full stack messenger application capable of sending and receiving messages between users after login using **React** and **Firebase** cloning a typical messaging platform
- Wrote efficient and structured code by utilizing React Components and performed testing and debugging to identify bugs.
- Researched Amazon Web Services products (**Lambda, Amazon SQS**) for application scaling

### Sendy Logistics Challenge

August 2022

- Collaborated with a team of 3 data scientists to model the estimated delivery time for a courier service in South Africa
- Performed exploratory data analysis to decrease the number of redundant features by 40%
- Built ETA prediction using **K-nearest neighbors** and **Support Vector Machines** models in Python to achieve 82 % accuracy

## Leadership

### 180 Degrees Consulting Club

Boston, MA

#### Project Manager | Events Director

August 2021 – Present

- Led a team of 4 members to generate and present actionable insights to clients for improving business processes.
- Analyzed over 700 Qualtrics surveys responses from 120+ colleges using Excel to determine consumer choices regarding thrifting.

### Boston University Student Government

Boston, MA

#### Senator

August 2022 - Present

- Represented 1500+ engineering students when working with Boston University's Administration.
- Drafted and proposed various bills to accommodate student interests, build community and advocate student voices.