

## ANSHITA KHARE

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### EDUCATION

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#### Boston University

Bachelor of Science, Computer Science

Cumulative GPA: 4.0

Graduating Winter 2024

### EXPERIENCE

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#### Camel Club CNFT

Full Stack Developer & Software Engineer, Co-Owner

2022 – Present

- Engineered programs to generate 4000+ unique non-fungible tokens with 130+ traits on the Cardano Blockchain and attach metadata.
- Previously raised 10,000 A for charity with our limited-edition Wall-Of-Fame collection.
- Designed and developed a user-friendly website. Currently transitioning into a web application that integrates a secure crypto wallet to enable NFT holders to stake the value of their assets to redeem utility tokens.
- Currently directing a project to create 3-D Camel Racing web application developed in Unity where holders can race, train their assets, and bet on races using utility tokens.

### SELECTED PROJECTS

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#### Machine Learning Applications – Python, Keras, TensorFlow

##### Absurd 8 Ball

November 2022

- Built a machine learning program that uses a Recurrent Neural Network to generate original quotes after being trained on famous quotes. Defined model architecture using with Bidirectional LSTM, LSTM and Dense layers.

##### AnchatBot

December 2022

- Created an intelligent chatbot that learns how to respond to language patterns and intents with scripted responses using Natural Language Processing in Python.
- Employed tokenization and vectorization to train the machine learning model. Evaluated the model's performance with 82% accuracy.

#### Web Applications – JavaScript, HTML, CSS, Flask, React

##### Pixelator

December 2022 - Present

- A full-stack pixel drawing application with 20+ features that allows users to make pixel art, game sprites and animated GIFs frame by frame.
- Allows users login functionality, the ability to save their drawings editable format, share and upload to a user profile with tagging and searching features.
- Created an intuitive interface and utilized elegant solutions for functionalities, such as BFS graph traversal to allow for color-fill, stacks for undo-redo, and integer mathematics to allow for users to create lines, shapes, as well as symmetrical drawings.

##### Hexdle

November 2022

- A Wordle spin off where the user guesses the secret, randomly generated HEX color shown.
- Boasts 5000+ page views within the first month of deploying as a web application.
- 13 features, including a help menu and explanation of underlying concepts and diagrams generated in pure CSS.
- Implements a HEX code categorization algorithm that excludes gray shades for more exciting gameplay.

##### JumpRex

October 2022

- Responsive platforming web game built from scratch with 2-D graphics where the user tries to guide the character to jump up a series of never-ending platforms to get the highest score possible.

##### Spectrum Surgical LLC

December 2022

- Designed and developed a 12 feature, responsive website for my client, a doctor's clinic, that includes a custom map of locations using OpenStreetMap, and scheduling and form handling using custom Google Calendar API integration.

##### anshitakhare.com

November 2022

- My portfolio website that houses my projects and more information about me. Enables users to filter projects by a variety of tags, and sort by language and category.
- Under transition into a React application that supports the integration of my chat bot.

### SKILLS

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- Languages:** Python, Java, Haskell, JavaScript, HTML, CSS
- Libraries and Frameworks:** React, jQuery, Bootstrap, Node.js, Java.net
- Other Tools:** : Git, Shell Scripting, Adobe Photoshop & Illustrator, Unity

### RELEVANT COURSEWORK

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- Intro To Computer Science • Data Structures & Algorithms • Web Application Development • Discrete Mathematics
- Computer Architecture • Database Management • Operating Systems