ANSHITA KHARE

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EDUCATION

Boston University *Bachelor of Science, Computer Science*   *Graduating Winter 2024*
Cumulative GPA: 4.0

EXPERIENCE

Massachusetts Historical Society *Assistant Web Developer & Software Engineer*   *2023 – Present*
- Developed custom software and systems to support the diverse needs of the organization, a non-profit research library and archive, while collaborating closely with a team of historians, librarians, archivists, and documentary editors to create bespoke software for various projects.

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 ₳ 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.
- Created and currently leading 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

Machine Learning Applications – *Python, Keras, TensorFlow*

Absurd 8 Ball   *November 2022*
- o 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 LSTM and Dense layers.

AnchatBot   *December 2022*
- o Created an intelligent chatbot that learns how to respond to language patterns and intents with scripted responses using Employed tokenization and vectorization to train the machine learning model. Evaluated the model's performance at 82% accuracy.

Web Applications – *JavaScript, HTML, CSS, Flask, React, Node.js, Express*

Term Project Repository   *April 2023*
- o Created a 40+ feature, stunning application that is currently used by CS422/622 faculty at BU to display and manage term projects by past students using the MERN stack and built utilizing Agile methodology.
- o Enables administrators to CRUD projects and allows all public users the ability to dynamically filter projects by a variety of tags like category and language to find projects that most interests them and share them.
- o Utilized the Google Drive API to serve as a cost effective CDN for all project reports as a cost-effective solution. Uses the GitHub API to retrieve all coding languages used by projects so that language tags do not have to be manually inputted.

Pixelator   *December 2022*
- o A pixel drawing application with 20+ features that allows users to make pixel art, game sprites and animated GIFs frame by frame.
- o Created an intuitive interface and utilized elegant solutions for functionalities, such as DFS 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*
- o A Wordle spin off where the user guesses the secret, randomly generated HEX color shown.
- o Boasts 5000+ page views within the first month of deploying as a web application.
- o 13 features, including a help menu and explanation of underlying concepts and diagrams generated in pure CSS.
- o Implements a HEX code categorization algorithm that excludes gray shades for more exciting gameplay.

Spectrum Surgical LLC   *December 2022*
- o 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*
- o 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.

SKILLS

- **Languages &:** Python, Java, JavaScript, PHP, TypeScript, HTML, CSS, SCSS, XML, XSL, SQL
- **Libraries & Frameworks:** jQuery, Bootstrap, Tailwind, React, Vue, Node.js, Express,
- **Other Tools: :** Git, Trello, Pivotal Tracker, Shell Scripting, Adobe Photoshop & Illustrator, Unity
- **Skills:** Digital Collaboration, Teamwork, Public Speaking

RELEVANT COURSEWORK

• Data Structures & Algorithms • Advanced Programing Concepts • Web Application Development• Discrete Mathematics
• IT Project Management • Intro to Software Engineering • Database Management • Computer Architecture • Linear Algebra