ANSHITA KHARE
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EDUCATION

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

SKILLS

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

EXPERIENCE

Massachusetts Historical Society - ***Assistant Web Developer & Software Engineer*** *Feb 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 editors using technologies like JS, React, Vue, PHP, and Node.js.
- Leveraged object-oriented programming in production use to deliver creative and effective solutions, often without the use of any frameworks or dependencies.

Boston University - ***Graduate Teaching Assistant*** *May 2023 – Present*

- Advised and mentored students in the undergraduate and graduate level course Software Engineering (CS 473 and 673) as they worked to complete their term projects, helping them put into practice concepts like as scope and requirement definition, defect tracking, unit testing, and the Scrum delivery framework, to yield functional applications

Camel Club CNFT - ***Software Engineer*** *Oct 2022 – Feb 2023*

- Engineered programs to generate 4000+ unique non-fungible tokens with 130+ traits on the Cardano Blockchain and attach metadata.
- Raised over 10,000 ₳ for charity.

SELECTED PROJECTS

Term Project Repository **(*React, Node.js, Express, Mongo DB, Google Drive API, GitHub API)*** *April 2023*

- Created a 40+ feature, stunning web application that is currently used by CS473/673 faculty at BU to display and manage term projects by past students using the MERN stack and leveraging Agile methodology.
- Delivered a robust solution that enabled administrators to CRUD projects and allowed 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.
- 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 programming languages used by projects so that language tags do not have to be manually inputted.

Budgeter (*React, Node.js, Express, FireStore, Google Auth)* *May 2023*

- Developed a fully responsive application as a tool for responsible spending habits where in the user can create Wishlist of items they want to buy and assign each item a priority. They can then enter a budget and the app recommend which items to purchase.
- Implemented a budgeting feature that combines multiple Wishlist and takes in a desired budget amount to generate recommendations for which items are appropriate to buy. Allows users to select which items were purchased and updates multiple Wishlist at once.
- Improved user experience by analyzing HTML formatting trends in e-commerce websites (Shopify, Amazon) to extract item information, like name and price when the user pastes URL input

Pixelator **(*JavaScript, HTML/CSS)*** *December 2022*

- A pixel drawing application with 20+ features that allows users to make pixel art, game sprites and animated GIFs frame by frame.
- 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 **(*JavaScript, HTML/CSS)*** *November 2022*

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

Absurd 8 Ball (*Python, Keras, TensorFlow*) *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 LSTM and Dense layers.

anshitakhare.com *November 2022*

- My portfolio website where you can view the projects listed above and more and find more information about me. Enables users to filter projects by a variety of tags, and sort by language and category.

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