

ABHISHEK SHRESTHA

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SKILLS

TECHNICAL SKILLS: Java, HTML5, CSS3, Javascript, Python, SQL, Git/Github, Figma, Bootstrap5, Adobe Premier Pro, ExpressJs, NodeJs, Microsoft Office Suite, MongoDB

HOBBIES AND INTERESTS: Soccer, Cooking, Workout, Business, Entrepreneurship, Food hunting, Music

EDUCATION

Northern Kentucky University, Highland Heights, Kentucky

Bachelors of Science Computer Science

Aug. 2021 - Dec. 2024

Courses: Object Oriented Programming (Java), Data Structure and Algorithms, Full Stack development, Calculus I & II, Database and Management, Probability and Statistics I

St. Xavier's College, Maitighar, Kathmandu, Nepal

A-levels 2022

July 2020 - June 2022

PROJECTS

Bingo Game

Jan. 2023 - Current

A dynamic web-based Bingo game with real-time multiplayer functionality, developed using HTML, CSS, JavaScript, Node.js, Express, and MongoDB.

- Led a team of four students in creating an immersive and seamless Bingo game, integrating front-end and back-end components for an engaging user experience.
- Implemented robust password security measures to protect user credentials, including secure password storage using hashing algorithms and salting techniques.
- Utilized GitHub for version control and collaboration, facilitating efficient teamwork and enabling seamless code management throughout the project.

JSONBlob Replica

Feb. 2023 - Apr. 2023

A collaborative project that replicates the functionality of JSONBlob.com, a web-based platform for storing and sharing JSON data.

- Developed the backend functionality using Express.js and designed RESTful API routes for CRUD operations
- Collaborated with 3 team members on GitHub to implement the project, utilizing Git for version control and team communication
- Conducted thorough testing and analysis of potential errors in the code, incorporating 2+ exception handlers for enhanced robustness

Treasure Island

Jan. 2021 - Feb. 2021

A blueprint design of a potential full-fledged game that randomly places treasures in a 3×3 grid and asks the player to make guesses

- Visualized the entire Treasure Island as a class and used Object Oriented approach for the entire game
- Wrote Python scripts to build the 3×3 grid; defined 1 attribute, a constructor method, and 4+ additional methods to design the blueprint

ACTIVITIES

Gaze tracking technology, Research Assistant

June 2022 - Current

- Utilized statistical models and machine learning techniques to optimize the performance of gaze-tracking algorithms; resulted in a 20% increase in accuracy and *efficiency*.
- Conducted a comprehensive analysis of the current gaze-tracking technologies by surveying experienced researchers and conducting interviews with industry leaders
- Demonstrated proficiency in programming languages such as JavaScript and Python; used data visualization tools to contribute for 10% of data collected in the entire research

Python, Teaching Assistant

Jan. 2022 - May 2022

- Taught fundamental programming concepts to students, collaborating with course instructors to refine a comprehensive curriculum that fostered positive and inclusive learning.
- Developed and implemented interactive coding exercises and projects, including games using Python libraries such as Turtle and PyGame, to enhance students' understanding and practical application of Python programming.

Steely Library, Technical Assistance

Sept. 2021 - Current

- Delivered comprehensive technical assistance at Steely Library NKU, encompassing support for printer and scanner usage, troubleshooting software-related issues, and aiding users in navigating NKU websites and digital resources.
- Proactively resolved technical challenges faced by library patrons, ensuring seamless access to printers, scanners, and online databases, while providing guidance on utilizing NKU websites for research and information retrieval.

VOLUNTEERING

Presidential Ambassadors

Jan. 2022 - Current

- Developed organizational and management skills through weekly meetings and event planning experience at university events, including commencement and welcome events
- Demonstrated leadership skills by hosting 5+ campus tours for prospective students, promoting a positive campus culture and enhancing the university's recruitment *efforts*

AWARDS

Ambassador award

Apr. 2023

Schnert-Pugh Scholar

Jan. 2022

President's Honors List

Dec. 2022

EDGE plus award

Aug. 2022