Tauhidur R. Anjan

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EDUCATION

SUNY University at Buffalo | Buffalo, NY   Expected Graduation May 2025

B.S. - Computer Science

Coursework: Data Structures, Algorithms, Databases, Discrete Mathematics, Systems Programming, Computer Organization, Linear Algebra, Web Design and Development, Statistics, STEM Communications, Calculus 1, Calculus 2

SKILLS & TECHNICAL TOOLS

Languages: Java, Python, Google Firebase, JavaScript, C, HTML/CSS,

Technologies: Git, AWS, Emon, VMWare, ReactJS, Flask, Django, Node, MS Office

EXPERIENCE

Software Engineer Fellow | Headstarter   *May 2023 - Jun 2023*

- Collaborated with a team of 3 to create a full stack web application with React JS & Node JS to parse, store, and search through resumes in Google Firebase, utilizing keyword matching algorithms.
- Built a full stack web application with React JS & Flask with a team of 3 that integrates multiple APIs together to display a comprehensive dashboard of weather and news data for any city a user selects, utilized the OpenAI API to generate a summary of the weather data for a better user experience
- Developed a full-stack web application that replicates the functionalities of Twitter, allowing users to post and view tweets from other users through an efficient machine-learning-based recommendation system powered by HuggingFace NLP models
- Gained knowledge in Software Engineering, AWS, and Data Structures principles and learned how to communicate technical concepts in a clear & effective way

Sound Tech | Student Association @ University at Buffalo   *Feb 2023 - Present*

- Set up, tested, and operated audio equipment for various student association events, ensuring optimal sound quality. Collaborated with event organizers to determine audio requirements and ensure needs were met.
- Regularly maintained and inspected audio equipment, ensuring readiness for upcoming events. Provided training and guidance to new team members or students interested in audio technology.

PROJECTS

Twitter Clone | *Headstarter*

- Developed using JavaScript, Node.js, and Google Firebase. Collaboratively designed and implemented with a dedicated team of developers. Designed real-time functionalities: tweet posting, liking, retweeting, and commenting.
- Enabled user profile creation with profile pictures, bio, and settings. Integrated Firebase Authentication for user sign-up and secure logins.

Youtube Video Downloader | *Personal Project*

- Developed a Python-based tool to efficiently download YouTube videos with a command-line interface. Utilized the 'pytube' library to extract video details and fetch the highest resolution stream.
- Implemented functionality to fetch and display video metadata like title and view count before downloading. Integrated error-handling mechanisms to handle common video URL errors and streaming issues.
- Streamlined the download process, allowing users to save videos directly to specified directories. Tested various YouTube links to ensure compatibility and robustness of the downloader.

Project 3 | *Technologies*

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