

# Yash Baruah

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## EDUCATION

### University of Texas at Dallas

*Bachelor of Science in Computer Science*

Relevant Coursework: Computer Science II, Computer Architecture, Data Structures and Algorithms, Systems Programming

Richardson, TX

*Expected May 2027*

### Carroll Senior High School

*High School Diploma (STEM Emphasis), GPA: 4.0 (98.836/100)*

Southlake, TX

*Aug. 2020 – May 2024*

## PROJECTS

### AI Music Genre Classification Using CNN Model | *Python, TensorFlow, React*

Sept 2024 – Present

- Built a CNN model to classify music genres from audio data.
- Utilized **librosa** for feature extraction and **TensorFlow** for model training.
- Developed a **React** front-end for file uploads and displaying predictions.

### Personal Website Development | *HTML, CSS, JavaScript, React, Node.js*

Sept 2024 – Present

- Designed and developed a responsive personal website to showcase projects and skills using **HTML**, **CSS**, **JavaScript**, **React**, and **Node.js**.
- Implemented interactive features and animations to improve user experience.
- Optimized website performance and ensured cross-browser compatibility through thorough testing.

### Daily LeetCode Discord Bot | *Node.js, Discord API*

Sept 2024 – Present

- Collaborated with a team of four to develop a verified Discord bot that delivers daily LeetCode problems to users.
- Implemented functionality to handle user inputs for customized problem selection.
- Ensured reliability and scalability through effective Node.js coding practices.

### Machine Learning & Social Media Analysis | *Machine Learning, Data Science*

June 2022 – Sept 2022

- Analyzed social media data to identify trends in user engagement using machine learning algorithms.
- Developed predictive models to identify patterns and forecast user activity.
- Authored a research paper on misinformation's impact on social media during the Covid-19 pandemic through the **Horizon Summer Program**.

## TECHNICAL SKILLS

- **Programming Languages:** Java, Python, C++, HTML, JavaScript, SQL
- **Software Development:** Agile & Scrum methodologies, Fullstack
- **Web Development:** HTML, CSS, JavaScript, React, Node.js, LaTeX
- **Cloud Platforms:** AWS, Azure, Google Cloud
- **Operating Systems:** Windows, macOS, Microsoft 365, iOS, Android
- **Networking:** TCP/IP, DNS, and basic network protocols

## EXPERIENCE

### Assistant Manager | *Kumon Math & Reading Center, Roanoke, TX*

Feb 2024 – Present

- Manage front desk operations, scheduling, and enrollment processes.
- Ensure high standards of coursework completion and correction.
- Support marketing initiatives and handle QuickBooks operations.

### Theatre Member | *Cinemark Tinseltown, Grapevine, TX*

June 2022 – Jan 2024

- Provided excellent customer service, assisted with ticketing, and maintained supply stock.

### Tutor | *Chelsea Hall, Southlake, TX*

Aug 2022 – May 2023

- Engaged students with various teaching techniques and provided feedback on their progress.
- Assisted in preparing students for exams and improving their performance through personalized study plans.