

EDUCATION

Georgia Institute of Technology (Atlanta, USA)

B.Sc. Computer Science

May 2026

GPA: 4.0/4.0

- **Relevant Coursework:** Data Structures & Algorithms, Computer Organization & Programming (IP), Machine Learning (IP), Honors Algorithms (IP), OOP, Honors Discrete Math, Objects & Design, Linear Algebra, Multi. Calc., Probability & Stats (IP), Startup Lab (IP)

WORK EXPERIENCE

Georgia Tech | Linear Algebra Teaching Assistant

August 2024 – Present

- Teach and individually coordinate weekly 50-minute studio sessions with 35+ students
- Hold weekly office hours, grade & proctor exams, and answer questions on Piazza, a common forum for all 1500+ enrolled students

Cloud 9 Infosystems | Software and AI Intern

May 2024 – July 2024

- Delivered 50+ pages of technical analysis for doctors evaluating ChatGPT, Copilot, and Gemini for medical report summarization
- Evaluated Copilot's integration with Azure and Microsoft 365 on real-world company data
- Developed 3+ mini projects using Azure OpenAI REST API to benefit real estate businesses

Utter | Data and Testing Intern

Dec. 2021 – Jan. 2022

- Wrote 500+ pytest unit tests to test the accuracy and robustness of Utter's language bot
- Drove a 10% increase in the bot's accuracy through the identification of key failure areas
- Curated and cleansed a dataset with 10,000+ real text samples for further testing

TalentHome Solutions | Web Development Intern

May 2021 – June 2021

- Developed a website for a travel client using HTML, CSS, and JS through use case ideation, client communication, and deployment
- Tutored 3 students on web development and Python

TECHNICAL SKILLS

Languages and Technologies: Advanced – HTML, CSS, JavaScript, Java, Python, React, TypeScript, Git, LaTeX; **Intermediate** – Android Studio, Keras, pandas, NumPy, Matplotlib, Webpack, npm, SCSS, Blender; **Basic** – Docker, Swift, SwiftUI, MySQL, Microsoft Azure, Mediapipe, Cloud AutoML, Jest, pytest

Certifications and Training: **The Odin Project** – Completed Foundations, Javascript, Intermediate and Advanced HTML & CSS, React; **Microsoft** – 5+ AI certifications; **Futurecamp** – Development of Convolutional Neural Networks (CNNs)

TECHNICAL PROJECTS

MatrixViz | HTML, CSS, JavaScript, TypeScript, SCSS, Webpack, npm, MLMatrix, Math.JS, MathJax, TypeDoc

Live Preview: maahirjain.github.io/matrix-viz; **GitHub:** github.com/maahirjain/matrix-viz

- Developed dynamically generated interactive 3D and 2D animations of linear transforms across 4 shapes
- Integrated MLMatrix and Math.JS for matrix computation, and MathJax for display, following the MVVM pattern
- Implemented SCSS variables, mixins, and media queries for dark mode and light mode options and device responsiveness
- Enabled TypeScript form validation

Spotify Wrapped | Java, Android Studio, Spotify API, Firebase, Google Gemini Pro API, GitHub CI/CD

GitHub: github.com/maahirjain/spotify-wrapped

- Integrated the Spotify API to access user songs, artists, genres and audio features data to generate a Spotify Wrapped
- Enabled Firebase authentication for user login and Firestore for the storage of past generated wraps
- Managed asynchronous queries to Google's Gemini Pro API to craft personalized narratives based on the user's music tastes
- Adapted the Scrum framework with 2.5-week sprints for project organization and iteration

EXTRACURRICULAR INVOLVEMENTS

Leadership: Co-founder, The Future of Everything – India's first teenage think tank

Design: UI Designer, WinNow – An Amazing Productivity App

Research: Author, From RSA to Post-Quantum Cryptography

Animation: Animator, Blender

Chess: Player, Chess.com – Average peak ELO of ~1900 across formats