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EDUCATION

Georgia Institute of Technology (Atlanta, USA)   **August 2023 – May 2026**
B.Sc. Computer Science   **GPA: 4.0/4.0**
- **Relevant Coursework:** Data Structures & Algorithms, Computer Organization & Programming (IP), Object-Oriented Programming, Honors Discrete Math, Objects & Design, Linear Algebra, Multivariable Calculus, Probability & Statistics (IP), Combinatorics (IP)
- **Teaching Assistant:** Linear Algebra

WORK EXPERIENCE

Cloud 9 Infosystems   **May 2024 – July 2024**
Artifical Intelligence Intern
- 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   **Jan. 2022 – Feb. 2022**
Testing Intern
- 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   **May 2021 – June 2021**
Web Development Intern
- 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, 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, learning React and Node.JS; **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