

# Pranav Eega

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## Education

### Georgia Institute of Technology

August 2024 - December 2026

B.S. Computer Science, B.S. Mathematics

GPA: 4.0/4.0

**Relevant Coursework:** Data Structures & Algorithms, Algorithm Design, Scrum & Agile Methodologies, Object Oriented Programming, Linear Algebra + Multivariable Calculus, Database Systems in SQL, Computer Architecture

## Work Experience

### Salesforce | Incoming Software Engineering Intern

May 2026 – August 2026

- Hyperforce Cloud Services

### Georgia Institute of Technology | Undergraduate Researcher: ACT Driving Simulator

December 2024 – Present

- The ACT (Autonomous and Connected Transportation) Driving Simulator Team tackles various challenges stemming from the rise of autonomy, connectivity, and technology-driven transportation modes.
- Leveraging a driving simulator environment and analytical modeling to develop sustainable travel solutions and deployment tools for smart and connected communities (SCCs).
- Developing TranSACT Mobile App to Promote Sustainable Travel, and testing behavioral interventions in a field experiment conducted in the city of Peachtree Corners to see if certain constraints will reduce a users global footprint.

### Georgia Institute of Technology | Undergraduate Teaching Assistant: Introduction to AI

August 2025 – Present

- Assisted in teaching a 3-credit undergraduate AI survey course covering: Search & Optimization (BFS, UCS, A\*, local search, CSPs, adversarial search), Uncertainty & Probabilistic Reasoning (Bayes' Rule, Bayesian networks, Markov models, HMMs), Machine Learning (linear/logistic regression, gradient descent, MLPs, CNNs, RNNs, transformers) and Planning & Decision-Making (Markov Decision Processes, reinforcement learning, Monte Carlo Tree Search, AlphaZero)
- Held weekly office hours and provided one-on-one guidance to 284 students on Python programming assignments, debugging, and conceptual problem-solving.
- Collaborated with professor and head TA in designing and grading 12+ programming projects and three midterms

### Big Data Big Impact | Flight Delay Prediction: Platform Subteam Lead

August 2024 – Present

- Developing a Google Chrome Extension that gives flyers more information about delays upon searching for tickets, saving time stress and energy.
- Leading a team of 5 students that are in charge of integrating Google Cloud Functions and Firebase to the application.
- Creating a Firestore database to implement to the back-end of the application that will create new entities when a user signs in with Google Oauth.
- Establishing a way to send user data into an AI Model to determine the estimated delay.
- Following Agile and Scrum Methodologies, having biweekly stand ups and subteam meetings.

## Projects

### Personal Website

- Developed a modern, high-performance portfolio website from scratch using Next.js 14 (App Router), TypeScript, and Tailwind CSS. Engineered a unique interactive terminal-style navigation system to provide an engaging and distinctive user experience. Implemented glass-morphism design and Framer Motion for smooth transitions.

### Spotify Wrapped Experience

- Developed an interactive Spotify Wrapped web app in a Scrum-based team, leveraging the Spotify API to deliver personalized music insights. Features include an album guessing game, AI-driven style categorization, and a responsive design with multiple themes. Enabled social sharing of Wrapped results and public viewing for a more connected user experience.

### Braille Buddy

- Engineered an accessibility-focused app to support real-time communication for Deafblind users. Utilized haptic Braille feedback and a custom Braille keyboard for two-way text translation. Integrated AI-based image analysis to provide environmental descriptions, enhancing daily navigation and independence

## Additional

**Skills:** Agile Methodologies, AWS, Amazon Q Developer, Cursor, Python, Django, R shiny, Java, HTML/CSS, C, SQL, PostgreSQL, Typescript, GitHub, Comptia Security+, Machine Learning, Linux Operating System, Swift

**Certifications:** IT Specialist - Java, IT Specialist - Python, IT Specialist - Software Development, 2021 AT&T Summer Learning Academy Completion, Microsoft Office Specialist: Powerpoint, Word, Excel