

# Pranav Eega

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## Education

<b>Georgia Institute of Technology</b> <i>B.S. Computer Science, B.S. Mathematics</i>	<b>August 2024 - December 2026</b> <b>GPA:</b> 4.0/4.0
<b>Relevant Coursework:</b> Data Structures & Algorithms, Algorithm Design, Scrum & Agile Methodologies, Object Oriented Programming, Linear Algebra + Multivariable Calculus, Database Systems in SQL, Computer Architecture	

## Work Experience

<b>Salesforce</b>   Incoming Software Engineering Intern	<b>May 2026 – August 2026</b>
• Hyperforce Cloud Services	
<b>Georgia Institute of Technology</b>   Undergraduate Researcher: ACT Driving Simulator	<b>December 2024 – Present</b>
• 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.	
<b>Georgia Institute of Technology</b>   Undergraduate Teaching Assistant: Introduction to AI	<b>August 2025 – Present</b>
• 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	
<b>Big Data Big Impact</b>   Flight Delay Prediction: Platform Subteam Lead	<b>August 2024 – Present</b>
• 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

<b>Personal Website</b>	
• 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.	
<b>Spotify Wrapped Experience</b>	
• 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.	
<b>Braille Buddy</b>	
• 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