

# Abhiram Chilakamarri

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## EDUCATION

Georgia Institute of Technology

Atlanta, GA

**Bachelors of Science in Computer Science, Minor in Fintech: GPA: 3.80/4.00**

**Expected Grad: Dec 2026**

**Relevant Coursework:** Object-Oriented Programming, Data Structures, Advanced Algorithms, Computer Organization, Machine Learning, Natural Language, Database Systems, Artificial Intelligence, Robotics, Discrete Math, Combinatorics

## Certifications

Amazon Web Services - AWS Cloud Practitioner

Aug 2025

## TECHNICAL SKILLS

**Languages** — Python, Java, SQL, JavaScript, Kotlin, MATLAB, HTML, CSS, LaTeX, JSON

**Frameworks** — PyTorch, TensorFlow, Node.js, Firebase, Flask, React, JavaFX, GSON

**Developer Tools** — Agile, AWS, Azure, OpenAI, Git, REST APIs, GitLab

**Libraries** — Pandas, scikit-learn, NumPy, BeautifulSoup, Requests, Hugging Face Transformers, Mediapipe, Unipile API

## WORK EXPERIENCE

Delta Air Lines

Atlanta, GA

Software Engineering Intern

Incoming Jan 2026 - May 2026

Georgia Tech IP Crowd Lab

Atlanta, GA

Machine Learning Project Engineer

Aug 2024 – Present

- Developed a ML-powered matchmaking application using **PyTorch** to connect potential study partners at Georgia Tech
- Improved match accuracy and compatibility by **75%** in test groups using Hugging Face Transformers with pre-trained **BERT-based models** for sentiment analysis and user bias modeling
- Leveraged **Requests** and **BeautifulSoup** to web-scrape and extract data from Georgia Tech's "Reserve a Space" website

ThinkNodes

New York City, NY

Full Stack Engineer Intern

May 2025 – July 2025

- Developed **SalesParrot**, an AI-powered chatbot leveraging **LLMs** to automate B2B lead generation and mass outreach
- Achieved a **5x** increase in outbound messaging rate through automating outreach campaigns using **Unipile API**
- Analyzed parsed business data using **SQL** and **Pandas**, and generated actionable reports to support targeted outreach

## PROJECTS

**Converse with ASL**, Python, Mediapipe, PyTorch, Hugging Face Transformers

July 2025 – Current

- Developed an ASL learning app that interacts with users through a chatbot that interprets user sign language responses
- Trained **Mediapipe** computer vision models and **PyTorch** to improve real-time hand and finger tracking accuracy
- Designed **NLP** pipelines leveraging **Hugging Face Transformers** to translate recognized ASL gestures into correct English

**Smart Loan Evaluator**, Python, Flask, scikit-learn, Pandas, HTML/CSS, JavaScript

Jan 2025 – Feb 2025

- Built a loaning system that processes bank statements and predicts eligibility from transaction-level financial analysis
- Automated data extraction from bank statements using **Pandas & NumPy**, reducing manual processing time by **50%**
- Developed a prediction model with **scikit-learn**, improving decision accuracy by **75%** using saving and spending trends

**WanderSync**, Java, Firebase, Kotlin, Android Studio

Aug 2024 – Dec 2024

- Built a full-stack Android app enabling collaborative travel planning with real-time itinerary editing across devices
- Integrated **Firebase Authentication** to enable role-based access for users joining and managing shared itineraries
- Implemented cross-device sync using **Firestore Listeners**, ensuring real-time updates for **100+** users in parallel session

## EXTRACURRICULAR AND LEADERSHIP

Georgia Tech College of Computing

Atlanta, GA

3x Teaching Assistant for CS 1301

Aug 2024 — July 2025

- Guided **500+ students** during office hours by debugging Python code and explaining core data structures & algorithms
- Led hands-on exercises teaching **Agile** workflows, Git/GitHub, and **CI/CD pipelines** for real-world coding projects
- Collaborated with faculty and **10+** TAs to deliver instruction and simplify complex concepts to enhance student learning

**JET Atlanta**, Alpharetta, GA – Branch President & Volunteer

Feb 2022 – May 2023

- Organized and led **10+** community service projects, resulting in benefit for local charities and organizations
- Spearheaded a road cleanup campaign that mobilized 20+ volunteers and raised **\$1,500** for anti-litter and sustainability