

SaiBalaji (Sai) Nagarajan

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Education

Georgia Institute of Technology

Aug 2023 – May 2027

Bachelor of Science in Computer Science and Industrial Engineering

GPA: 4.0/4.0

- **Coursework:** Object Oriented Programming, Data Structures, Algorithms, Discrete Mathematics, Linear Algebra

Work Experience

Georgia Institute of Technology, College of Computing

Jan 2024 - Present

Teaching Assistant

Atlanta, GA

- Ensure 1,000+ students understand Object Oriented Programming principles through engaging instruction
- Compose 20+ technical instruction documents and JUnit test suites to aid in Java software development
- Troubleshoot 50+ student Java programs weekly through office hours and leading 1.5-hour recitation class

AvtechTyee (a TransDigm Company)

Mar 2023 – Jun 2023

Junior Accounting Intern

Everett, WA

- Presented unrealized opportunities in reserve account to increase EBITDA by 8%+ to management
- Authored end-to-end 4,000-word process improvement work instruction to locate/sell 500+ aircraft parts
- Aided in reconciliation, ledger preparation, and audit needs using Excel and Oracle ERP platform

OpenExa

Sep 2022 – Jun 2023

Software Development Intern

Bellevue, WA

- Designed 9 data dashboards with Looker Studio/SQL, presenting financial analyses of 10,000+ bonds
- Developed the "OpenExa Token" (OXA) with Solidity for novel blockchain line of credit concept, serving as the company's future credit issuance mechanism

Project Experience

Tamil Language Acquisition Chatbot (bit.ly/tamil-chat)

Mar 2024

- Chatbot that holds simple Tamil conversations with users in English script, translating responses to English
- Built on Claude 3 Sonnet using AWS PartyRock, finetuned top_p, temperature for accurate translation results
- Ensured optimal UI design through user satisfaction surveys with adult, English-speaking Tamil learners

Organizations/Leadership

Consult Your Community, Georgia Tech

Sep 2023 – Present

Business Analyst

Atlanta, GA

- Deliver consultation services to Atlanta NGOs and small businesses, processing market data with Tableau
- Develop successful market entry and advertising strategies for clients through extensive market research

Residence Hall Association, Georgia Tech

Sep 2023 – Present

Financial Coordinator

Atlanta, GA

- Manage \$5,700 budget of largest residential community on campus, advising on appropriate expenditures
- Ensure accounting compliance with Institute and State regulations with advanced use of Excel

Technical Skills

Programming: Python, Java, Dart, Django, HTML, CSS, Solidity, Android Studio, SQL, JavaScript, AWS PartyRock

Administration: Accounting, Project Management, Agile Methodologies, SEO, Spanish-intermediate Tamil-native

Tools: MATLAB, Fusion360, Microsoft Office Suite, Google Data Studio, Adobe Photoshop, Illustrator