

SAALIHA ALLAUDDIN

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EDUCATION

Georgia Institute of Technology

MS in Computer Science, Machine Learning Specialization

Relevant Coursework: Natural Language Processing, Conversational AI, Human-Computer Interaction

Atlanta, GA

Graduation - May 2025

Georgia Institute of Technology

BS in Computer Science

Relevant Coursework: Machine Learning, Computer Vision, Intro to Artificial Intelligence, Information Visualization

Atlanta, GA

Graduation - May 2024

WORK EXPERIENCE

Relevantz Technology Services, Inc, *Jr. Software Development Engineer*

August 2025 – Present

- Undergoing Salesforce training focused on Agentforce to build, integrate, and personalize AI-powered agents for enterprise clients.
- Collaborating on solutions that leverage Salesforce ecosystem capabilities to deliver automated support, enhanced customer engagement, and personalized business workflows.

College of Computing Department GT, *Graduate Teaching Assistant for Machine Learning*

Jan 2025 - May 2025

- Evaluated 35-50 student reports per cycle and provided constructive feedback on assignments to enhance student understanding.
- Created MCQs for final exams and provided course feedback for continuous improvement and collaborated in weekly TA meetings.

College of Computing Department GT, *CS Tutor*

May 2023 – Dec 2024

- Provided one-on-one tutoring sessions to students in 4 core Computer Science courses
- Adapted pedagogical methodologies in accordance with students' diverse learning styles.
- Taught debugging techniques, clean coding practices, and encouraged critical thinking and problem-solving skills

College of Computing Department GT, *Student Assistant*

May 2023 – Dec 2024

- Provided comprehensive support to students, faculty, staff, and visitors by promptly addressing inquiries
- Assisted in planning and organizing campus events, workshops, interviews, orientations, and info sessions.
- Organized documents and replenished materials in supply and storage rooms.

LEADERSHIP

CoC First-Year/Transfer Mentorship Program GT, *Computer Science Mentor*

Aug 2023 – Dec 2023

- Guided 20+ mentees, enhancing engagement by inviting them to campus events.
- Worked with mentors to organize networking events, fostering connections among mentees.

Perimeter College Ambassador Program GSU, *Student Ambassador*

May 2021 – May 2022

- Attended monthly training meetings and a leadership retreat hosted by the Board of Advisors.
- Hosted Georgia State's new president Dr. M. Brian Blake during his campus "meet and greets."

PROJECTS

MealMaster AI Chatbot, GT, *Project Teammate*

Jan 2025 – May 2025

- Co-developed MealMaster, an AI-powered meal planning website featuring a chatbot interface built with Gradio, which generates personalized recipes with step-by-step instructions and nutritional breakdowns based on user inputs like allergies, fitness goals, and cuisine preferences.
- Built a retrieval-augmented generation (RAG) system using LangChain, integrating nutritional and dietary datasets to deliver tailored recipe recommendations through a seamless, user-centric experience.

MEL: Math Ensemble Learning, GT, *Project Teammate*

Aug 2024 – Dec 2024

- Fine-tuned Mistral model (using Hugging Face Transformers, TensorFlow, and PyTorch) on mathematical datasets to evaluate performance on reasoning tasks and developed an ensemble model to enhance accuracy and robustness.
- Analyzed ensemble outputs against individual models to identify performance improvements and collaborated with a team of 4 members for efficient model fine-tuning and development.

Customer Churn Prediction Model, GT, *Project Teammate*

Aug 2023 – Dec 2023

- Collaborated as a team in CS 7641 (Machine Learning) to develop a Customer Churn Prediction model that can be utilized by Telecomm Companies.
- Developed the model using supervised and unsupervised learning algorithms and models like the PCA algorithm, Random Forest, and SVM models.

VIP - Smart City Infrastructure GT, *Student Researcher*

Jan 2023 – May 2024

- Member of the Crash Diagram sub-team. Collaborating and developing an automated tool to assist GDOT Engineers in inputting and accessing crash data.
- Developed an online tool using Python libraries like Matplotlib, NumPy, and Bezier that outputs crash diagram for specified intersection.

SKILLS & INTERESTS

Technical Skills: Python, Java, React, Next.js, JavaScript, Tableau, VS Code, HTML, CSS, TensorFlow

Interests: Data Science, Data Analytics, Artificial Intelligence, Machine Learning, Haptic Technology