

# Hamza Salahuddin

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## TECHNICAL SKILLS

**Languages** | Python, Java, JavaScript, SQL, HTML5, CSS  
**Backend** | Django, Node.js, Spring, PostgreSQL FastAPI  
**Frontend** | React, Vite, Next.js  
**Tools & Database** | GitHub, Docker, Postman, DBeaver, VS Code

## EDUCATION

**Bachelor of Science in Computer Science** May 2026  
Georgia Southern University Statesboro, GA

## LEADERSHIP

**Vice President** August 2025 – Present  
Association for Computing Machinery (ACM) Georgia Southern University

- Led planning and execution of ACM events for 100+ students, increasing engagement and participation.

## WORK EXPERIENCE

**Student Assistant** September 2022 – December 2024  
Georgia State University Atlanta, GA

- Led and trained a 10+ member team, improving order turnaround time and punctuality

**AI Model Generation Team Lead – Capstone** Jan 2026 - May 2026 (Expected)  
Gulfstream Aerospace Corporation Savannah, GA

- Leading a team building AI-driven simulation assets in Unreal Engine 5 for aerospace applications.
- Designing model pipelines with TRELIS and inference integration within real-time UE5 environments.
- Collaborating with Gulfstream designers to translate custom client requirements into AI tasks.
- Managing architecture decisions, task allocation, and technical direction.

**Software Engineer (Full-Stack) – Trainline** Spring 2025 – Present

- Developed a full-stack, booking platform with REST APIs, role-based authentication, PostgreSQL schema, and responsive UI with notifications.
- Built modular React components using JSX/TSX with end-to-end booking flows including dashboard, authenticated user experiences, seat selection, payments, notifications, and real-time chat.
- Normalized relational schema in PostgreSQL for improved data integrity & relationships with every user, containerized in Docker for portability.

## PROJECTS

**Flight Booking Web App** | PostgreSQL, HTML/CSS, Spring Fall 2024

- Designed a transactional booking system using Spring Boot with authenticated user flows, normalized relational schema, and REST APIs.
- Implemented accessible UI patterns to support user accommodations, meals, embedded in the database for data integrity and efficient data manipulation

**meeting-to-tasks** | FastAPI, Ollama (phi3:mini), GitHub Issues Fall 2025

- Built a RAG-based system that converts meeting transcripts into GitHub Issues using FAISS + LLMs, reducing manual task creation after sprints with lightweight tools such as Vite for frontend
- Sentence-Transformers for embeddings and FAISS (local) vector store used to better understand large transcripts (meetings) with JSON configuration for the AI model
- Architected system for pluggable LLM backends (local and hosted APIs).