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 TRELLIS 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).