Hardik Saini

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EDUCATION

Georgia State University, College of Arts & Sciences Atlanta, GA
Bachelor of Science | Major: CS | Honors College | **GPA**: 4.28/**Major**- 4.3 Expected Graduation: May 2027
Certifications : 100 Days of Code | Angela Yu , Machine Learning Specialization | Andrew Ng
Technical: Cloud Computing, Slurm, Kubernetes Unix Operability, Git, Machine Learning**,** Programming Languages proficiency (Python ,C , Java), Technology Integration, Office 365 SharePoint Administration, System Troubleshooting, Hardware Configuration , Basic CI/CD.
Professional: Initiative and Problem Solving, Technical Troubleshooting, Team Collaboration , User Support and Training , Process Optimization
Relevant Courses: **Cloud Computing, Computer Networks, Infrastructure System Design , Software Engineering ,Machine Learning ,Design Analysis & Algorithms, Operating Systems, Software Development, Data Structures, Computer Organization, Discrete Mathematics**

PROFESSIONAL EXPERIENCE

ARCTIC–Advanced Research Computing, Technology, Innovation & Collaboration | DevOps Intern | Atlanta,GA July 2025 - Present
- Work with the Infrastructure/DevOps team to operate Linux-based HPC clusters serving 500+ faculty and student researchers, helping maintain 99.99% uptime through proactive monitoring and fast incident response.
- Troubleshoot and resolve 50+ issues related to Slurm job scheduling, file access, storage quotas, and environment modules, improving job success rates and reducing wasted compute time..
- Analyze storage and I/O performance for large research workloads to identify bottlenecks and validate configuration changes for high-throughput data pipelines.
- Help administer Globus Connect Server endpoints used for secure, high-speed terabyte-scale data transfers between GSU and partner institutions.
- Provide technical setup and backend support for workshops and research conferences (accounts, storage, compute access), ensuring reliable demo environments and system availability during live events.

GSU–STEM Tutoring Initiative (Math) & MILE Urban Life | *Tutor & Lab Facilitator* | Atlanta, GA June 2024 – July 2025
- Provided one-on-one and group tutoring in algebra, calculus, and statistics to over 800 students, enhancing their understanding of complex mathematical concepts
- Developed tailored learning strategies that simplified problem-solving processes, driving up to threefold improvement in student performance and grades.
- Fostered a positive, engaging learning environment, boosting student confidence and success, resulting in an over 2 times increase in student retention for tutoring sessions.

PROJECT EXPERIENCE

Speech Mate – AI-Powered Public Speaking Coach | AI-ATL Hackathon (Georgia Tech) | Spring 2025
Link to Project
- Built a full-stack app with a React + TypeScript + Vite frontend and a Java 21 / Spring Boot 3 backend, exposing REST APIs for speech generation, multimodal analysis, and text-to-speech.
- Implemented Gemini-powered endpoints using Spring WebFlux (WebClient) to handle video, slides, and notes uploads and return structured JSON with scores, filler word counts, and detailed feedback.
- Integrated Google OAuth 2.0 with Spring Security to secure user accounts and protect analysis and generation endpoints.
- Designed the React UI to display analysis reports, recommendations, and playback audio, creating a smooth practice workflow for users.

GPT-Powered Department Assistant | Georgia Tech Hackathon (HackGTXI) | *Fall 2024*
Link to Project
- Built a scalable GPT framework using **Python**, **Flask**, **Lang-Chain** and **Azure**, enabling the creation of department-specific virtual assistants based on uploaded resources (FAQs, policies, etc.).
- Enabled dynamic scenario updates and manual additions for improved assistant adaptability.
- Developed a user-friendly interface allowing departments to upload FAQs, policies, and contact lists, reducing manual support tasks by 300% through automated, intelligent responses.

LEADERSHIP & PROFESSIONAL DEVELOPMENT

- **COSMIC – Community of Students in Science, Math, Innovation, and Computing | President | 2025 – Present**
- **Georgia Tech Hackathons**
  - **HackGTXI | Participant | September 2024**
  - **AI-ATL | Participant | November 2025**
- **Penn State Hackathon (HackPSU) | Participant | March 2025**
- **Computer Science Club | Member | 2023 – Present**
- **Math and Stats Club | Member | 2023 – Present**
- **LeetCode | Active Participant | 2024 – Present**

INTERSTS

Interests: Tech and Hardware Trends, Finding and Reporting Exploits, PC Building, Technology, Gym, Cricket, Gaming