Keshav Jagannath

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Education

Georgia Institute of Technology,   **Atlanta, GA**
- Bachelor of Science in Computer Science   December 2024
- GPA: 3.72/4.00
- Relevant coursework: Prototyping Intelligent Devices, Machine Learning, Digital Design Lab, Data Structures and algorithms, Systems and networks, Object Oriented Programming, Robotics and Perception, AI, Combinatorics, Linear Algebra, Probability and Statistics

Experience

Abercrombie and Fitch   **Columbus, OH**
Leadership Development Program   June 2024 - August 2024
- Built full-stack components in Adobe Experience Manager, saving 4 hours per week per content feature.
- Proposed a software architecture that will distribute AI-generated media metadata to the rest of the website backend improving search relevancy by 30% and reducing the number of manually entered metadata attributes by 50%.

Protiviti   **Atlanta, GA**
Technology Consultant Intern   June 2023 - August 2023
- Implemented a time-off portal for internal HR using Microsoft PowerApps, saving ten minutes per application.
- Prototyped a wireframe for a Power-Automate-based file-upload wizard, increasing upload efficiency by 10 times.

Cognosos   **Atlanta, GA**
Software Engineer Intern   January 2023 - May 2023
- Integrated a Command Line Testing Framework for API Calls, cutting costs by $30,000 per year, per QA engineer.
- Added Swagger documentation, and fixed several production bugs in the platform API.

Carvana   **Atlanta, GA**
Software Engineer Intern   May 2022 - August 2022
- Adopted Pytorch's Resnet-18 model to design a network that would flag unsatisfactory images from 1500 images per day at all seven inspection centers with over 80% accuracy.
- Deployed the model through a Docker image to Carvana's internal app through a Kubernetes pod.

Georgia Tech Alumni Association   **Atlanta, GA**
IT Assistant   August 2022 - December 2022
- Automated the organization's CRM migration by writing C# scripts, resulting in 10x shorter timeframes for data entry.

Projects

Digital Guitar Distortion Pedal   March 2024 - May 2024
- Built a digital guitar pedal using the ESP-32 microcontroller, and the C++ Arduino Audio Tools library.

Instrument Classification Neural Network   October 2023 - December 2023
- Implemented and trained a TensorFlow neural network to classify a given snippet of audio by musical instrument.

CDC EpiInfo Android Implementation   August 2023 - May 2024
- Refactored the CDC's 'EpiInfo' application for Android, expanding their reach to a 3 billion device market.

Hardware servo motor controller   October 2023 - December 2023
- Built a hardware peripheral in VHDL that uses a hobby servo to translate characters to Morse.
- Programmed an interactive, morse character guessing game in Assembly that utilizes the peripheral's functionality.

Leadership

Sympathetic Vibrations Acapella   August 2023 - Present
Music Director

Skills

Concepts: REST, Agile, Convolutional Neural Networks, Object-Oriented Programming, Data Structures, Backend Development, Databases, Version Control, Multithreading, Networking Protocols, CDNs
Programming languages: Python, Java, SQL, Golang, Typescript, C, C++, HTML, CSS, C#, VHDL, Kotlin, Assembly
Libraries and Frameworks: Groovy-Grails, Flask, PyTorch, Pandas, Matplotlib, Librosa, NumPy, Jupyter
Tools: Microsoft Power Platform, Git, Docker, Colab, Microsoft 365, Apache Kafka, Adobe Experience Manager, Jira
SoftSkills: Public Speaking, Presentations, Debugging, Collaboration