Gautam Rajan

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United States citizen in gautamrajank

Education

Masters (MS) in Computer Science, University of Southern California

- Expected graduation May 2024

Computer Science and Business Administration (CSBA), University of Southern California

- Class of 2023

Professional Experience

Annenberg Media, Digital Development Lead

- Migrated website to a **React**-based framework, boosting performance, and enabling easier updates.
- Refactored and consolidated code into a single up-to-date codebase, streamlining the development process.
- Implemented critical bug-fixes, improving multimedia integration into articles and search engine indexing.
- Built out special features for coverage of the US midterm elections, including a results dashboard ⊿ built with **Vue.js**
- Managing and verifying work from a team of contributing developers.

Projects

MediaScrybe,

AI News Compilation from Audio Sources

- Utilizing an advanced **language model** API to efficiently transcribe and analyze radio and TV news segments, ensuring precise information extraction and contextual accuracy.
- Designing and implementing an intuitive **user interface** for journalists, enabling easy submission of audio episodes and retrieval of multiple article drafts for editorial selection.
- Integrating **natural language processing** tools to transform broadcast content into concise, readable summaries, while facilitating a streamlined, user-friendly experience for media professionals.

DPS Crime Cataloging & GPT Generated Articles

- Developing a system to catalogue and parse crime reports published by USC's Department of Public Safety (DPS).
- Writing a custom parser in **Python** that will convert PDF's into tables.
- Creating an automated pipeline to generate articles using GPT-4 and automatically publish them.

11/2023 - ongoing

12/2022 - present

05/2021 - present

YouTube Easy Resume

2021 - present

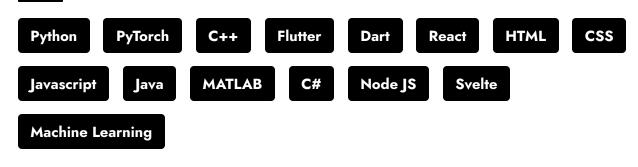
- Developing an open source browser extension that intelligently resumes videos that were halted midplayback.
- Utilized **Preact**, a lightweight React-like framework, to create a rich interface from which users can quickly access their in-progress videos.
- Chrome Web Store Listing: YouTube Easy Resume 🛛
- GitHub Repository 🛛 : https://github.com/gautamrajan/YTAutoResume

GraphAR

01/2018

- Created the GraphAR **Android** app using **C#** and Google's **ARCore** SDK, allowing users to visualize and create graphs in 3D space using augmented reality (AR).

Skills



Relevent Coursework

Analysis of Algorithms (Graduate Level)	Principles of Software Development
Data Structures and Object Oriented Design	
Linear Algebra and Linear Differential Equ	ations Intro to Artificial Intelligence