

# 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* 05/2021 – present

- 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**, 11/2023 – ongoing

*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** 12/2022 – present

- 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.

## YouTube Easy Resume

2021 – present

- Developing an open source browser extension that intelligently resumes videos that were halted mid-playback.
- 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) : <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

Python

PyTorch

C++

Flutter

Dart

React

HTML

CSS

Javascript

Java

MATLAB

C#

Node JS

Svelte

Machine Learning

## Relevant Coursework

Analysis of Algorithms (Graduate Level)

Principles of Software Development

Data Structures and Object Oriented Design

Linear Algebra and Linear Differential Equations

Intro to Artificial Intelligence