

Kavin Chandar, Arthanari Eswaran

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Education

University of Southern California, Los Angeles, CA, US Graduating May 2024
Masters in Science - Computer Science at Viterbi School of Engineering **GPA: 3.57 / 4.0**
Coursework: Analysis of Algorithms, Database Systems, Machine Learning for Data Science, Web Technologies

SRM Institute of Science and Technology, Chennai, TN, India May 2022
Bachelor of Technology - Computer Science and Engineering **GPA: 9.41 / 10.0**
Coursework: Data Structures and Algorithms, Object-Oriented Design and Programming, Database Management Systems, Data Mining, Artificial Intelligence

Technical Skills

Languages: Python, C++, Java, Angular, Node.js, JavaScript, TypeScript, HTML, CSS, SQL, Android Studio
Skills and Tools: Bootstrap, Ajax, JQuery, ExpressJs, Flask, Google Cloud Platform, Github Pages, Adobe XD, OpenCV, Problem-solving, Prototyping, Wireframing, Web application development, Mobile App Development, UI/UX Design, Content Writing, Editing

Academic Projects

Event Finder Application | [Web App Link](#) | [Mobile App Link](#) Jan 2023-April 2023

- Technology Stack: Angular/TypeScript, Node.js/JavaScript, ExpressJs, Flask/Python, GCP, Android Studio/Java
- Engineered a responsive web app to display, favorite, and filter Ticketmaster event information to aid end users.
- Showcased related Music Artist Information from Spotify and venue information on google maps using Rest APIs
- Deployed the system on serverless cloud architecture using Google Cloud Platform.
- Designed an Android mobile app reusing the same Node.js Backend

Personal Portfolio Website | [Website Link](#) Jan 2023 -Mar 2023

- Technology Stack: HTML, CSS, JS, Bootstrap
- Built a personal portfolio website showcasing my journey so far
- Deployed the website on Github Pages

Write! (Notes web application) | [Project Link](#) May 2022 -Jun 2022

- Technology Stack: Python, Flask, HTML, CSS, JS, Bootstrap, SQLite
- Built a note-taking web app with user account authentication with complete CRUD functionality

Analysis of pandemic control measures with computer vision | [Research Paper](#) Jan 2022-Apr 2022

- Technology Stack: Python, OpenCV, Mediapipe, dlib
- Implemented a system to classify face-mask usage and social distancing measures using object classification.
- Analyzed and pictorially represented acquired data to help make informed decisions.
- **Presented paper at IOTA2022 conference.**

Hand gesture recognition for Human-computer Interaction | [Research Paper](#) Aug 2021-Nov 2021

- Technology Stack: Python, OpenCV, Mediapipe, dlib
- Constructed a virtual mouse and a gesture-based volume controller with computer vision.
- Mapped specific hand gestures to actions to implement human-computer interaction.
- **Won the [Best Paper award](#) at the IconDeepCOM-2022 conference.**

Trippy (Travel web application) | [Product Design](#) Jan 2021 - March 2021

- Technology Stack: HTML, CSS, JavaScript, Ajax, Adobe XD, SQL
- Created an interactive travel website product to display essential tourist spots to aid tourists.
- Implemented the front-end development of the project.

Hymn (Music web application) | [Product Design](#) Aug 2020 - Sep 2020

- Technology Stack: HTML, CSS, JavaScript, Ajax, Adobe XD, SQL
- Designed a Music Web Application to sort and play songs based on moods and genres at (**Hacksprint v2.0**).
- Engineered the interactive product prototype using Adobe XD and implemented the app's front end.

Achievements

- Ranked among the **top 5%** of the country (India) in the [Data Structures and Algorithm course in Python](#)
- Won the [Best Paper award](#) at the IconDeepCOM-2022 conference for my research paper
- Relevant certifications [Algorithmic Toolbox](#) | [Visual elements of UI Design](#) | [Problem Solving \(Intermediate\)](#)