

# Learn AI with JavaScript

*Syllabus for Course 1, [Virtuoso](#)*

*Prepared by [Akshaj Jagarapu](#)*

## OVERVIEW

Learn the fundamentals of Artificial Intelligence (AI) with the most active language on the internet, JavaScript. With hands-on lectures and labs, build AI-powered web applications available to the public. Reach the heights of programming within a week under the guidance of a full-stack developer.

## REQUIREMENTS

- Computer with audio, video, and sound
- Good internet connection
- Google Chrome Browser

## SESSIONS

There are a total of **six 90-minute sessions** in the course that takes place from **10:30 am to 12:00 pm**. The exact date and meeting link will be given after registration at <https://govirtuoso.org/app/>.

Session 1	Session 2	Session 3
<ul style="list-style-type: none"><li>• What is Programming?</li><li>• Best Practices</li><li>• Environment Setup</li></ul>	<ul style="list-style-type: none"><li>• HTML Language</li><li>• Developer Tools</li><li>• Variables</li></ul>	<ul style="list-style-type: none"><li>• Functions</li><li>• Conditionals</li><li>• Loops</li></ul>
Session 4	Session 5	Session 6
<ul style="list-style-type: none"><li>• Libraries</li><li>• P5.js Basics</li><li>• Web Applications</li></ul>	<ul style="list-style-type: none"><li>• AI Fundamentals</li><li>• Teachable Machine</li><li>• AI Mask Identifier App</li></ul>	<ul style="list-style-type: none"><li>• PoseNet Models</li><li>• AI Clown Face App</li></ul>

## EDUCATION STANDARDS

- *Group Discussions* - 5%
- *Interactive Lectures* - 10%
- *In-Class Labs* - 35%
- *Projects* - 50%

## OBJECTIVES

By the end of the course, you can accomplish the following:

- Learn the core fundamentals of all programming languages.
- Get familiar with JavaScript, HTML, and basic web development tools.
- Write and publish their own Artificial Intelligence (AI) applications to the internet.
- Develop software professionally by following best practices and standards.
- Effortlessly access online documentation for future reference.

## NOTE

This course was initially designed with your passion for programming as the driving factor in your quest for knowledge. Attendance, participation, and homework completion all are essential for you to properly learn what is taught in the course. Any failure in following the class will result in you being unable to learn all the provided topics. If there are any doubts on your side, please contact me, the teacher, by emailing me at [askjag07@gmail.com](mailto:askjag07@gmail.com). Any offensive or abusive behavior will not be tolerated and will be met with instant banishment from the course.