ABIJITH
MANIKANDAN

CONTACT

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EDUCATION

B.S. Computer Science

Kean University, Union, New Jersey

- GPA: 3.89
- Graduation: May 2025
- Scholarship: NSF STEM Scholarship
- Honors: Dean's List

PROJECTS

- Created a choice-based video game using Javascript
- Assembled a Unity simulation using C# and Python for pedestrian-autonomous vehicle interaction
- Developing a personal portfolio website using HTML, CSS, and PHP

SKILLS

- Java
- JavaScript
- HTML
- C#
- Python
- R/RStudio

OBJECTIVE

An avid computer programmer pursuing an undergraduate degree in Computer Science, with experience in software development. I want to apply my Java, Javascript, HTML, and C# knowledge to a Software Engineering Intern role.

EXPERIENCE

Teaching Assistant

Kean University **Jan 2023 – Present**

Tutored students in Calculus and on different concepts of Computer Science such as Java, JavaScript, Python, Data Structures, C++, C#, and Linux

- Assembled notes and planning sheets while attending lectures in order to prepare for sessions
- Attended weekly meetings with other Computer Science Tutors and Supplemental Instruction Leaders in order to increase the effectiveness of sessions for students

Student Researcher

CAHSI LREU Research **May 2023 - Aug 2023**

Pioneered research on pedestrian-autonomous vehicle interaction, leveraging eHMIs with C# and Unity as well as Python analysis for road safety insights

- Presented research at the 2023 GMiS conference in Pasadena, California, sharing critical insights with industry leaders and fostering collaboration with prominent companies
- Promoted inclusive design principles, enhancing safety and accessibility in autonomous vehicles.

Lead Coordinator

AI4ALL College Pathways **Sep 2022 – Dec 2022**

Led a group of 5 students on a 10-week research project that focused on image processing to provide users with their celebrity look-alikes

- Learned about the applications and fundamental technical concepts of AI including the different types of machine learning, gradient descent, and neural networks
- Investigated ethical implications related to data processing and AI implementation such as deep fake and surveillance capitalism