

# Nirranjan Akilan

<https://www.linkedin.com/in/nirranjanakilan> | <https://github.com/anirranjan>

## EDUCATION

The University of Texas at Dallas, Richardson, TX  
Bachelor of Science in Computer Science (Academic Excellence Scholar)

Expected Graduation December 2023  
GPA: 3.74

## SKILLS

- **Languages:** HTML, CSS, JavaScript, C++, C#, Java, Python, Prolog, Typescript, SQL
- **Frameworks:** React JavaScript, Node JavaScript, Express JavaScript, Python NumPy
- **Tools:** UNIX Command Line, Git, Unity Game Engine, Blender 3D, Adobe XD, AI/ML

## RELEVANT EXPERIENCE

- **Rex Programming Computer Science Mentor** December 2019 – January 2020
  - Taught Front-End Development using HTML, CSS, and JavaScript.
  - Help students improve efficiency of code by teaching debugging techniques.
- **Bold Idea Programming Mentor** September 2018 – May 2019
  - Mentored students in developing with basic programming projects in Python during Fall/Spring semesters.
  - Recognized with Outstanding Mentor Award in December 2018.

## PROJECTS

- **DriverMania** [Landing Page](#) December 2020 – June 2021
  - Designed Unity application that peaked at 100+ users on game development service itch.io.
  - Developed features including character movement, selection menus, in-game interactive store, and customizable behaviors using C# and Blender 3D.
  - Expanded application to fix bugs, support player data storage, add new features such as intelligent obstacles, and published to the Google Play Store.
- **MyPart** [2021 Google Solution Challenge Submission](#) February 2021 – April 2021
  - Collaborated with a team to create an application to raise awareness on recycling using React and Firebase.
  - Responsible for development of a newsfeed that utilizes JavaScript-based APIs to retrieve articles.
  - Improved efficiency of user interface/user experience by implementing mobile responsiveness.
- **Help After Uri** [HackUTD 2021 Submission](#) February 2021
  - Created website to help Texans recover from the Texas Winter Storm using React JavaScript.
  - Responsible for development of task completion system and rewards program implemented with React Hooks and arrays.
- **Open-Source Contributions** [Hacktoberfest 2020](#) October 2020
  - Contributed to four open-source projects using Git/GitHub Repositories during a 12-hour event of learning about the benefits and real-world applications of open-source software.
  - Designed a personal portfolio website using HTML and CSS, API endpoint using Typescript, analyzed Honda's stock using Python NumPy, and rendered a 3D object using JavaScript.

## RELEVANT COURSES

Linear Algebra	Discrete Mathematics I	C++ Object Oriented Programming
Discrete Mathematics II	Computer Architecture (C/Assembly)	Java Data Structures

## EXTRACURRICULARS

- Technical Committee Officer of Google Developer Student Club UTD May 2021-Present
- Member of Association of Computing Machinery UTD August 2020-Present
- Member of UTD Photography August 2020-Present

## HONORS/AWARDS

- JPMorgan Chase Virtual Experience Program Participant March 2021
- DriverMania: Ranked 10<sup>th</sup> on itch.io New and Popular Games for Web Category February 2021
- Microsoft Technology Associate SQL Database Fundamentals Certified February 2020
- Academic Excellence Scholarship – Awarded \$3,000 per year