

# Dinesh Keserla

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## EDUCATION

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### Vista Ridge High School

Cedar Park, TX

Anticipated Graduation: May 2021

August 2017- Present

**Unweighted GPA:** 4.000/4.000

**Weighted GPA:** 5.675/6.000

**Class Rank:** 4/551

#### Past AP Classes/Exams:

- AP Chemistry - 4
- AP Computer Science A - 5
- AP Computer Science Principles - 5
- AP Human Geography - 4
- AP Macroeconomics - 5
- AP Microeconomics - 5
- AP Statistics - 5
- AP World History - 4

**STEM Related Honors Courses:** Pre-AP Biology, Pre-AP Chemistry, Pre-AP Physics, Computer Science III, Digital Forensics

**Future STEM Related Honors Courses:** AP Biology, AP Calculus BC, AP Physics C: Mechanics, AP Physics C: Electricity and Magnetism

**SAT:** 1460/1600 (690 Evidence-Based Reading and Writing, 770 Math)

**ACT:** 33/36 (English 30, Mathematics 35, Reading 33, Science 32)

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### Austin Community College

Austin, TX

Dual Credit Student

June 2019 – Present

#### Completed/Currently taking Courses:

- US History (H1302) – A
- US Government (H2305) – A
- TX & Local Gov (H2306) – A
- Calculus I (M2413) – A
- Discrete Mathematics (M2305) - currently taking

#### Courses Planning to take next semester:

- US History (H1301)
- Calculus II (M2414)

## WORK EXPERIENCE

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**Code Ninjas – Senior Instructor (Oct 2018 – Sep 2020)**

Cedar Park, TX

*Coding Instructional Facility*

- Served as a leader consistently for other instructors, ensuring the students were taught effectively.
- Taught children K-12 STEM-related skills as well as various programming languages including Java, JavaScript, Python, Lua.
- Instructed young students on different Computer Science concepts integral to programming various programs.
- [www.codeninjas.com/tx-cedar-park](http://www.codeninjas.com/tx-cedar-park)

## HONORS AND AWARDS

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- **DECA International Finalist (11<sup>th</sup>):** Placed in the top 5 competitors nationwide at the International Career and Development Conference for DECA in the category Sports and Entertainment Marketing Operations Research.
- **National AP Scholar (11<sup>th</sup>):** Granted to students in the United States who receive an average score of at least 4 on all AP Exams taken, and scores of 4 or higher on eight or more of these exams.
- **National Honor Society (11<sup>th</sup>, 12<sup>th</sup>):** Inducted into National Honor Society for academic excellence, outstanding character, and exceptional leadership.
- **Texas DECA State Winner (9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>):** Ranked in the top 8 competitors statewide, advanced to the International Conference.
- **Texas DECA District 5 Winner (9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>):** Ranked in the top 8 among competitors across the Austin Metro Area, advanced to the state conference.

## ACTIVITIES

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- **FTC Robotics:** Served apart of software team in designing a robot to complete various tasks in an autonomous, pre-programmed manner as well as a manually controlled section.
  - 9<sup>th</sup> Grade: Member - 2 hours per week for 35 weeks
  - 10<sup>th</sup> Grade: Software Apprentice - 4 hours per week for 35 weeks
  - 11<sup>th</sup> Grade: Software Competitor - 6 hours per week for 35 weeks
  - 12<sup>th</sup> Grade: Software Lead 6990 - 7 hours per week for 35 weeks
- **DECA (9<sup>th</sup>, 10<sup>th</sup>, 11<sup>th</sup>):** Competitor of one of the biggest clubs worldwide, focused on entrepreneurship, management and business. Competed and advanced to the International Competition each year of competing.
  - 9<sup>th</sup> Grade: Competitor - 4 hours per week for 35 weeks
  - 10<sup>th</sup> Grade: Competitor - 4 hours per week for 35 weeks
  - 11<sup>th</sup> Grade: Competitor - 4 hours per week for 35 weeks
  - 12<sup>th</sup> Grade: Member - 1 hour per week for 35 weeks

- **National Honor Society (11<sup>th</sup>, 12<sup>th</sup>):** Elected as a member of the Officer Team making decisions on where to allocate funds in order to have the greatest impact on the community as Treasurer.
  - 11<sup>th</sup> Grade: Member - 2 hours per week for 30 weeks
  - 12<sup>th</sup> Grade: Treasurer - 3 hours per week for 30 weeks
  
- **Software Project Creator (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>):** Created various application-based software applications utilizing knowledge gained from classes in addition to research and learning done in own time.
  - 10<sup>th</sup> Grade: Software Creator - 2 hours per week for 20 weeks
  - 11<sup>th</sup> Grade: Software Creator - 2 hours per week for 25 weeks
  - 12<sup>th</sup> Grade: Software Creator - 3 hours per week for 35 weeks
  
- **Digital Forensics Club (11<sup>th</sup>, 12<sup>th</sup>):** Served as a community leader in educating students on cybersecurity and safe online practices to protect themselves.
  - 11<sup>th</sup> Grade: Treasurer - 2 hours per week for 25 weeks
  - 12<sup>th</sup> Grade: Co-Vice President - 3 hours per week for 30 weeks
  
- **UIL Mathematics & Computer Science (10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup>):** Participated as a member during sophomore year and then competitor during 11<sup>th</sup> (which was cut due to COVID-19). Competed on the Mathematics and Computer Science teams.
  - 10<sup>th</sup> Grade: Member - 1 hours per week for 20 weeks
  - 11<sup>th</sup> Grade: Competitor - 2 hours per week for 30 weeks
  - 12<sup>th</sup> Grade: Competitor - 2 hours per week for 30 weeks
  
- **Diversity Club (11<sup>th</sup>, 12<sup>th</sup>):** Encouraged other students to reach out and embrace their inner diversity and express themselves within a safe environment.
  - 11<sup>th</sup> Grade: Junior Representative - 2 hours per week for 20 weeks
  - 12<sup>th</sup> Grade: Senior Representative - 2 hours per week for 35 weeks
  
- **National Spanish Honor Society (11<sup>th</sup>, 12<sup>th</sup>):** Spread Spanish Culture awareness through community projects and various volunteering opportunities.
  - 11<sup>th</sup> Grade: Member - 2 hours per week for 20 weeks
  - 12<sup>th</sup> Grade: Member - 2 hours per week for 20 weeks

## **VOLUNTEERING**

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- **Project Linus (25 hours):** Assisted in the making of blankets and quilts for children in need by streamlining the process for the people sewing and distributing the blankets.

## MY PROJECTS

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- [Zooba](#)

Codeveloped course management site that parses the Home Access Center database to seamlessly calculate GPA, provide assignment notifications, and recommend courses in addition to social networking capabilities [Try the Site!](#)

- [Java GUI Yahtzee](#)

A graphical user interface implementation of Yahtzee. Can keep track of previous scores and users played. Coded in Java utilizing the JavaFX framework.

- [Simple GPA Calculator](#)

Graphical Interface for calculating weighted Grade Point Average in the Leander Independent School District. Utilized Java Swing to form the graphical interface for the all in one GPA calculator. Can calculate for a 6.0 Weighted GPA.

- [Connect Four](#)

The classic Connect 4 game but with minimax algorithm implementation for an AI character. Coded in effectively all JavaScript with the library P5JS.

## SKILLS AND TALENTS

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- **Technical**

Highly Skilled Languages: Java, Python, JavaScript

Extremely Experienced Technologies: Flask, P5JS, ReactJS

Digital Forensics Tool Proficiency: FTKImager, WireShark, SleuthKit