

Keshav Anand

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Education

Plano East Senior High School, Plano, TX

August 2023 – May 2027

- GPA: 4.82352/4.0, Unweighted: 4.0/4.0, Class Rank: **1/1227** ([View Unofficial Transcript](#) 📄)
- **Current Coursework:** AP Biology, AP Govt., AP Physics C, AP Comp. Sci. A, AP Statistics
- **Other Relevant Coursework:** Calculus III, Differential Equations, AP Chemistry, Digital Electronics
- **SAT 1550/1600:** Reading 760, Maths 790; **ACT 36/36:** Maths 36, Reading 36, Science 36, English 35

Experience

Computer Science Intern

Dayton, Ohio

Air Force Research Laboratory (AFRL)

June 2026 – July 2026

- Developed a high-fidelity VR simulation at the 711th Human Performance Wing for cognitive-modeling research on auditory-guided visual detection of Class 1 sUAS
- Engineered C++ backend infrastructure in Unreal Engine for dynamic data handling and configuration
- Built and optimized immersive visual and auditory environments for performance on consumer-grade GPUs

Lead Software Developer and Co-Captain

Plano, TX

Technical Turbulence FTC

June 2023 – June 2026

- Co-founded and built the team's software as primary programmer, later serving as Software Lead
- Developed custom autonomous navigation integrating inverse kinematics, odometry, and computer vision
- Engineered custom driver-assistance systems using sensor feedback and control algorithms for consistency

Projects

Multi-User Drawing Tool

[github.com/name/repo](#) 📄

- Developed an electronic classroom where multiple users can simultaneously view and draw on a "chalkboard" with each person's edits synchronized
- Tools Used: C++, MFC

Synchronized Desktop Calendar

[github.com/name/repo](#) 📄

- Developed a desktop calendar with globally shared and synchronized calendars, allowing users to schedule meetings with other users
- Tools Used: C#, .NET, SQL, XML

Custom Operating System

2002

- Built a UNIX-style OS with a scheduler, file system, text editor, and calculator
- Tools Used: C

Technologies

Languages: C++, C, Java, Objective-C, C#, SQL, JavaScript

Technologies: .NET, Microsoft SQL Server, XCode, Interface Builder