

Keshav Anand

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🔗 keshavanancode

Education

Plano East Senior High School, Plano <i>STEM and Multidisciplinary Endorsement</i>	<i>August 2023 – May 2027</i>
<ul style="list-style-type: none">○ GPA: 4.73/4.0 (View Unofficial Transcript)○ Class Rank: 1/1273○ Current Coursework: AP Chemistry, American Studies (AP US History + AP English Language), Digital Electronics, AP Physics I, Calculus III (via Collin College)○ SAT: 1550/1600	

Key Projects and Work

TEG Powered Self-Stirring Device (2023-2024)	Project Portfolio ↗
<ul style="list-style-type: none">○ Built novel prototype to harvest thermal energy for automatic stirring while cooking	
GaitGuardian: IMU Processing for Parkinson's Disease (2024-Present)	Project Portfolio ↗
<ul style="list-style-type: none">○ Constructed novel hybrid biLSTM + CNN architecture for Freezing of Gait prediction○ Signal processing and segmentation to reduce subject-dependence○ State-of-the-art metric performance while being end-to-end functional	
FTC Technical Turbulence Lead Software Developer (2023-Present)	2024-25 Github Repo ↗
<ul style="list-style-type: none">○ Custom inverse kinematics pathing and Computer Vision for Autonomous Navigation○ World top-30 FTC team for autonomous software, FTC State Finalist	

Awards and Honors

Thermoelectric Generator Research Project	<i>2024</i>
<ul style="list-style-type: none">○ Dallas Fair: 1st in Engineering, US Air Force Recognition, USMA Best SI Units○ International Science and Engineering Fair (ISEF) Finalist	
GaitGuardian: ML and Signal Processing for PD Research	<i>2025</i>
<ul style="list-style-type: none">○ Dallas Fair: 1st in Systems Software, Grand Prize Runner-Up, TI Best Computing Project 2nd○ ISEF Finalist, ISEF 3rd in Robotics and Intelligent Systems (\$1200)	
National Speech & Debate Impromptu Quarterfinalist , State Quarterfinalist	<i>2025</i>
<ul style="list-style-type: none">○ Dallas Fair: 1st in Systems Software, Grand Prize Runner-Up, TI Best Computing Project 2nd○ ISEF Finalist, ISEF 3rd in Robotics and Intelligent Systems (\$1200)	

Other Activities

- Vice President, LASER:** Guiding and instructing 120+ students for Science Fair
- Founder, Cricket Club:** Formed, coached, and captained Plano East's first tapeball cricket team
- Technology Officer, NHS:** Coded and maintained React-based portal for largest NHS chapter in the US
- Indian Film Music:** Bass Guitar, Keyboard, and Arrangement. Live concerts with profits going to charity

Skills

- Programming Languages:** Java, Python, Bash, C++ (Arduino), Kotlin (FTC), Limited HTML, JS, CSS
- Programming Applications:** Machine Learning, Signal Processing, Tensor Flow, Computer Vision
- Miscellaneous:** Public Speaking, CAD, PCB Design, Electrical, Competition Math