

Keshav Anand

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🔗 keshavanandcode

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: 4.78571/4.0, Unweighted: 4.0/4.0 (View Unofficial Transcript ↗) ○ Class Rank: 2/1273 ○ 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 — Reading 760/800, Maths 790/800 ○ ACT: 36/36 — Maths 36, Reading 36, Science 36, English 35 	

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) 	
FTC Technical Turbulence , State Division Finalist, Innovate Award Winner	<i>2024</i>
National Speech & Debate Impromptu Quarterfinalist , State Quarterfinalist	<i>2025</i>

Other Activities

Vice President, LASER: Guiding and instructing 120+ students for Science Fair	
Founder, Cricket Club: Former USA U15 Cricketer → Formed Plano East's first cricket team	
Technology Officer, NHS: Coded and maintained React-based portal for largest NHS chapter in the US	
Indian Film Music: Bass, Keys, and Composition: Part of High Octavez Band	Original Music Library ↗

Skills

Programming Languages: Java, Python, Bash, C++ (Arduino), Rust (Limited), Javascript	
Programming Applications: Machine Learning, Signal Processing, Backend Server Development, Linux	
Miscellaneous: Public Speaking, CAD, PCB Design, Electrical, Competition Math	